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The INDUSTRIOUS HEN

February, 1917



THE Industrious Hen

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.; The Leghorn Journal, Appomattox, Va.

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We always stop the Magazine at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

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The breed is the best. The strain is bred right under ideal CLIMATIC CONDITIONS; on natural green runs 365 days in the year. Compare the DIXIEDOTTE 1916 Winnings at INDIANA STATE FAIR and CHICAGO COLISEUM with others. Customers daily reporting excellent hatches for eggs from my best matings. Egg \$5.00 per 15, \$24.00 per 100. Utility \$2.00 per 15, \$10.00 per 100.

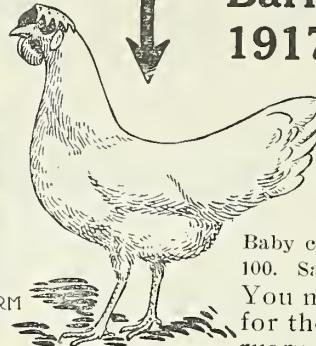
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(Can I Serve You.)

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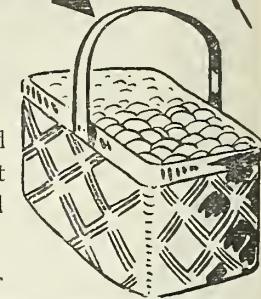
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Large heavy comb, large bodied and splendid type. The greatest Egg producing strain ever placed before the public.



Baby chicks \$15 per 100. Hatching Eggs \$10 per 100. Safe delivery of chicks and 90% fertility of eggs guaranteed. You must be satisfied or we will refund your money. Orders for the above are now being booked for delivery after February first.

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Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.



RHODE ISLAND WHITES
(Both Combs.) The world renowned Excelsior Strain of the Great Winter Egg Breed, 29 eggs during December, the record of one pullet. Pens mated and incubators running. Get your order in early. Eggs from free range birds \$16 per 100. One pen of nice utility single comb birds for sale at \$12.50.

MRS. C. M. VERTREES,
Box E. Cecilia, Ky.

Mating List Ready February 1, of My SINGLE COMB BUFF LEGHORNS
First Hen and Second Cockerel at Armory Show on two entries, Jan., 1917
W. L. WILLIAMS, JR.,
Box No. 15, Frankfort, Ky.

RED SUSSEX

Winners at Georgia State Fair 1916. No stock for sale. A limited number of eggs after January 1st, 1917.

E. A. BOND, 231 North Ave.

Macon, Georgia

S. C. White Leghorns—S. C. Rhode Island Reds

Winners at Owensboro, Bowling Green and Memphis Last Season

Our breeding pens are now mated, and we can ship you eggs at \$2, \$3 and \$5 per 15. We guarantee satisfaction or refund your money. All breeding stock sold ninety per cent fertility guaranteed. Address:

H. F. THOMAS POULTRY YARDS
LIVERMORE, BOX NO. 135A KENTUCKY

Bargain in Ancona Hens

We are offering for quick sale 75 Utility Ancona Hens at \$1.00 each. These birds are vigorous and healthy, are splendid layers and are worth twice what we are asking for them. If you want some good Ancona Hens at a bargain, order at once from this advertisement. They will not last long at this low price. Satisfaction guaranteed. Address,

W. L. INGLIS,

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Alton, Alabama

S. C. WHITE LEGHORNS COLUMBIAN WYANDOTTES

If you want the real thing, get your birds and eggs from us. We have been breeding them for nearly ten years and have a large number of large, vigorous free-range grown birds just in their bloom now. These birds are not only bred to conform as nearly as possible to the standard requirements, but also to lay the largest number of eggs possible. They lay in winter when eggs are high. Our prices on these profitable fowls are very reasonable and we ask that you write us for prices on anything you may need before you buy. A large number of the finest cocks and cockerels we have ever raised and the price is right. Write us today.

MOUNTAIN VIEW FARM,
D. R. MCBRAYER, MGR. MOORESBORO, N. C.



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Rates 3c per word. No advertisement accepted for less than 50c. All cards will be set in uniform style without any display. Terms Cash in advance. Paper will be sent free as long as the advertisement runs.

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ANCONAS

Dark Mottled S. C. Anconas, imported blood, strictly high class and blue ribbon winners. Eggs and stock for sale. Address T. F. Holder, Rutledge, Tenn. 1-2t

S. C. Mottled Anconas with a trapnest record. Eggs \$2.00, \$3.00 and \$5.00 for 15. Booking orders now for eggs and baby chicks. No stock. Barrett's Ancona Farm, Morristown, Tenn. 12-6t

Masengill's blue ribbon and imported Single Comb Anconas, the world's greatest layers. Eggs \$2.50 and \$5.00 for 15. Fine stock for sale. Masengill's Ancona Farm, Morristown, Tenn. 2-3t

Blackman's famous S. C. Anconas. Display and silver cup winners. Eggs \$2.50 to \$5.00 for 15. G. C. Blackman, Hatfield, Ind. 2-1t

Anconas. Heavy layers. Stock and eggs for sale at low prices. F. G. Stickney, Tuscaloosa, Ala. 2-1t

Rose Comb Ancona cockerels for sale. \$2.00 and up. G. Hausherr, 5509 St. John, Kansas City, Mo. 2-1t

ANDALUSIANS

Blue Andalusians exclusively. Eggs at \$1.50 per 15. E. S. Frye, Brush Creek, Tenn. 2-4t

Fine Blue Andalusians and Silver Campines. Highest egg record and first prizes at largest shows. Eggs \$2.00 per 15. Stock for sale. H. R. Birchett, Lebanon, Tenn. 1-10t

BUTTERCUPS

Sicilian Buttercups—the egg machines. Stock for sale. Tom Phelp, Sonora, Ky. 2-1t

CAMPINES

Silver Campines. Eggs from three choice pens at \$3.00 per setting of 15. F. G. Stickney, Tuscaloosa, Ala. 2-1t

Moss' Silver and Golden Campines combine beauty. Baby chicks and eggs for setting. Write Herbert Moss, Jr., Henderson, Ky. 2-1t

CORNISH

White and Dark Cornish, the business fowl. Circular free. Farmers' prices, single rates in shipment. New blood. C. D. Smith, Fort Plain, N. Y. 12-3t

Dark Cornish—Heavy-weight, prize winning Cornish. Stock and eggs now ready. Frank R. Willis, 737 E. Burnett, Louisville, Ky. Member American Cornish Club. 12-1t

Dark Cornish. With six entries at the Collin County Fair, I won 5 firsts and 1 special. Walter Burton, judge. Eggs \$2.50 and \$5.00 per 15. Goldmon Perry, Anna, Texas. 2-4t

White and Dark Cornish, famous winners at Augusta, Memphis, Pittsburgh, Knoxville, Morristown. Stock and eggs for sale. Mrs. A. S. Gorrell, Morristown, Tenn. 2-2t

DUCKS

Ducks, Colored Muscovy. Choice breeding stock, bred in the Bluegrass. Harry Daly, Maysville, Ky. 1-3t

Prize Emden pair, \$20.00. Lorenz Co., Perryville, Mo. 2-1t

LANGSHANS

Black Langshans—Vitality, Individual strain. Unsurpassed winnings. Show trained birds for sale. J. R. Brown, Bramwell, W. Va. 12-6t

Black Langshans. Vitality, individual strain. Eggs from prize pen, Missouri Laying Contest. J. R. Brown, Bramwell, W. Va. 2-4t

200-egg Greenish-black Langshans. 600 prizes. 100 eggs \$10.00. Lorenz Co., Perryville, Mo. 2-1t

LEGHORNS

Hatching eggs from purebred, vigorous, heavy laying S. C. White Leghorns. Prize winners; \$1.50 per 15. Mrs. H. J. Daniel, South Boston, Va. 1-4t

Five S. C. White Leghorn cockerels for sale. Something extra. Sire cost \$54.00. Saved these for improvement of own stock but have decided to cut the size of my flock one-half. Price \$2.00 each. Order quick from this advertisement. Dr. D. B. Anderson, Paris, Ky. 1-2t

Single Comb Brown Leghorns. Again they prove supreme at Owensboro, Richmond State Show, this November. Won 1-2-3 pen, special best hen in show. As egg producers they have no superior. Stock for sale. Both matings. Mrs. Joe Mulligan, St. Joseph's, Ky., Maplewood Farm. 1-2t

Single Comb White Leghorns—Wyckoff strain direct. Hatching eggs \$5, 100; \$45 per 1,000. Choice hens, cockerels, pullets, \$1.25 each. Robt. E. Smith, Nassawadox, Va. 1-4t

S. C. White Leghorns, 25 years exclusively. Pullets, hens, cockerels, finest quality. Baby chicks. Hatching eggs any number, my great specialties. Henry Trafford, Binghamton, N. Y., editor Poultry Success, visited me, bought big bunch birds. Will tell you this is the place to buy high grade, heavy laying stock. Circulars. Full information. C. N. Reynolds, Canton, Penn. 12-3t

Eggs from Single Comb White Leghorns with records up to 219. Prices reasonable. Circular free. J. O. Pierce, Mohawk, Tenn. 2-3t

Single Comb White Leghorns, exclusive prize winners. Eggs \$1.50 and \$2.50 per 15. Booking orders for baby chicks 15 cents each. Send order. J. L. Greenfield, White Leghorn Farm, Sebree, Ky. 2-5t

S. C. Buff Leghorns; vigorous farm raised stock. Selected for egg production. Headed by Heasley cockerels. Eggs, \$1.50 per 15. Bessie Feller, Moore's Hill, Ind. 2-3t

English 200-egg strain S. C. White Leghorns. Baby chicks and hatching eggs by the hundreds or thousands. See display ad this issue. Valley View Poultry Farm, Box 60, Morristown, Tenn. 2-5t

Buff Leghorns, standard bred prize winners. Eggs \$1.00, \$2.00 and \$3.00 per setting. Stock for sale. Cottage Home Poultry Yards, Millsboro, N. C. 2-5t

White Leghorn baby chix and eggs. Australian 289-egg strain, \$2.00 for 15; \$8.00 per 100; chix 15 cents each. Barron strain, \$1.50 for 15; \$5.00 per 100; chix 10 cents each. N. Fitzgerald, Onancock, Va. 2-1t

Single Comb Brown Leghorns. Twenty-eight silver cups. More firsts than all competitors. Best shows South. Eggs and birds for sale. Unequalled show record and mating list free. N. B. Spearman, Box 60, Ida, La. 2-1t

"Kentucky Brown Beauties" again prove supreme at Richmond State Show, Owensboro, November, won 1st, 2d and 3d pen, special, best hen in class. Exhibition and elegant breeding cockerels. Satisfaction guaranteed. Breeder fourteen years. Maplewood Farm, Mrs. Joe Mulligan, St. Josephs, Ky. 2-4t

Wright strain Single Comb White Leghorns. Day-old chicks. Catalogue. Hatching eggs. Creola Poultry Farm, Creola, Ala., Dept. A. 2-2t

The East and West have their 300-egg hens. But what about the South? Our 265-egg hen has reached 296 eggs continuous laying January 22. She is still on the job and will pass the 300 mark in a few days. She finished her year December 5. We have eggs for hatching from this flock: 202, 203, 206, 225, 232, 243, 246, 265. Many others near 200. These are White Leghorns. Rhode Island Reds: 197, 203, 206, 220, 230. Lots of them just under the 200. Write for prices. Poultry Department, A. & M. College, Mississippi. 2-4t

Single Comb White Leghorns (Young's) —Low-tailed cockerels \$5.00; pullets same. Fifteen eggs \$3.00. Meadow Farm, Coulterville, Ill. 2-1t

Get your Single Comb White Leghorn eggs and baby chix from Locust Grove Poultry Farm and be assured of the best exhibition and utility stock, winners and layers. None better, few as good. Have left a few good cockerels for sale. Catalogue and prices free. Carl Cooper, Prop., Lawrenceburg, Ky. 2-5t

Eggs! Eggs! Eggs! S. C. Buff Leghorns from Indianapolis, Terre Haute and Lafayette winners; heavy winter layers. \$1.00 to \$3.00 per setting postpaid. Ball Brothers, Judson, Ind., R. R. 2-2t

White Leghorn Baby Chix, Cyphers—Young strain. Thousand lots or less. Standard bred, laying strain. Delivery guaranteed. Correspondence invited. H. Robey, Pineora, Ga. 2-3t

MINORCAS

Single Comb Black Minorcas, the kind that lay large White eggs, and lots of them. Eggs \$2.00 per 15. D. W. Garner, Orme, Tenn. 2-1t

Jones' Rose Comb Black Minorcas. National champions, fancy egg producers. Titie won this year at big Purdue egg show with dozen scoring 99. Three grand pens. Eggs for sale. Prices reasonable. C. F. Jones, Battleground, Ind. 2-2t

At East Tennessee Division Fair, Knoxville, 1916, my S. C. Black Minorcas won as follows: 1st cock, 1st, 2d, 3d cockerel, 1st, 2d hen, 1st, 2d pullet, 1st old and 1st young pen, special for best display. Eggs from these winners at \$2.00 per 13. Eight strong chicks guaranteed from each setting or order duplicated at half price. S. C. Beard, Broadford, Va. 2-3t

ORPINGTONS

S. C. White Orpington eggs, \$3.50 per 15. Won best display last two years at the Augusta show, over 100 birds in the class both years. L. C. Gercke, 22 Jackson street, Augusta, Ga. 1-3t

Aldrich Strain White Orpingtons. Stock and egg. Prices reasonable. If I don't please you, no trade. Harry Dicken, Manville, Ill. 1-3t

Eggs from Single Comb Buff Orpingtons. First prize pen scored 178 15-16. \$3.00. Other good pens. \$1.50 per 15. Two fine cockerels score card 94 1/2 and 94 1/2, by Judge Northrop, \$10.00 each. A. L. Tilton, Mt. Carmel, Ill. 2-1t

White Orpington eggs \$3.00 per fifteen. Nine pens mated. First, second, third hen, first, second, third pullet, first, second cockerel, Atlanta, October, 1916. Fine breeders for sale. W. A. Andrews, Opelika, Ala. 2-5t

For the best Orpingtons, all varieties, you must send to their originators. Send for new catalogue. Wm. Cook & Sons, Scotch Plains, N. J. 1-6t

Buff Orpingtons. Eggs from high scoring winners at four shows, \$1.50 and \$2.00 per 15; \$6.00, \$7.00 and \$8.00 per hundred. Mating list on application. Earl Eichin, Olney, Ill. 2-1t

White Orpingtons, Aldrich and Owens farm quality. Breeding stock for sale, \$1.50 and up. Eggs \$5.00 per 100. Sunnyside Farm, Sandwich, Ill. 2-2t

PLYMOUTH ROCKS

Purebred Barred Plymouth Rock eggs \$1.50 per 15. The hens that lay in December as well as May. Dr. E. C. Freas, Orme, Tenn. 2-1t

Potts' White Plymouth Rocks. Trap-nested, pedigree winners. Eggs for hatching. Frank Potts, Charlotte, N. C. 1-4t

Pure and bred-to-lay Barred Rocks. Pens headed by Thompson's Imperial Ringlet cockerels. Eggs \$1.50 for 15. Mrs. H. J. Daniel, South Boston, Va. 1-4t

White Plymouth Rocks, the best in this variety. Winners six world's fairs, ten State fairs. Price list free. U. R. Fishel, Box Q, Hope, Ind. 12-5t

For Sale—Best strains Barred, Buff, Partridge and White Plymouth Rock stock, eggs and baby chicks. Prices reasonable. Mrs. Allen M. Dorris, Hendersonville, Tenn. 12-12t

Barred Rocks with the winning habit. Exhibition pullet line exclusively. Eggs \$3.00 per 15. Ernest Patton, 1310 Pendleton St., Greenville, S. C. 2-2t

Best strains Barred, Buff, Partridge and White Plymouth Rock stock, eggs and baby chicks. Prices reasonable. Registered Duroc pigs. Mrs. Allen M. Dorris, Hendersonville, Tenn. 12-12t

Jardine's Barred Rocks, Ringlets, will produce winners in 1917. A \$50.00 male direct from Thompson heads pen No. 1. Cockerel mating eggs \$2.75 to \$5.00 per 15. Chicks \$6.00 to \$10.00 for 25. Catalogue ready. D. W. Jardine, Staunton, Va. 2-5t

Buff Rocks exclusively. Good winter layers and blue ribbon winners. Eggs now ready for hatching from healthy farm raised stock. Eggs, per setting, \$1.50 and \$3.00. Henry W. Waddle, Greenville, Tex. 2-3t

Barred Plymouth Rocks, 200-egg strain. Four pens carefully mated for highest laying qualities. These pens contain the finest breeders I have ever owned. Both matings. Eggs for hatching at reasonable prices. Quality and fertility guaranteed. B. R. Perkins, Hewlett, Va. 2-1t

Partridge Plymouth Rocks, Bird Bros. strain direct. The farmers' and the fanciers' fowl. Eggs and stock. A. D. Hill, Mt. Carmel, Ill. 2-5t

F. B. L. strain of White Rocks. Winnings, Owensboro and Springfield, Ill., 1916, 1st cockerel, 1st hen, 3d cock, 1st, 3d and 4th pen. Three grand champions—cockerel, hen and pen. Stock and eggs for sale, also Barred Rocks. Write your wants. Mrs. J. W. Westacker, R. No. 2, Stanley, Ky. 2-5t

Superb Ringlet Barred Rocks. Choice stock and eggs from best blood. Prize winners as well as layers. Satisfaction guaranteed. Fruit seed and poultry catalogue free. Jno. W. Hall, Marion Station, Md. 2-3t

Eggs from Barred Rock hens with records certified to by director of Delaware Agricultural College, and mated to males from 255-egg hen. Three and five dollars per fifteen. Write me; will tell you what my birds do in the egg laying contests. Clarence Young, Sweetwater, Tenn. 2-5t

Ringlet and Latham Barred Rocks. Eggs from Louisville, Owensboro, Henderson winners \$2.00 up. Express prepaid. Mating list free. C. E. Carpenter, 417-B Allen, Owensboro, Ky. 2-3t

For Sale—Thompson's Imperial Ringlet Barred Plymouth Rocks. Cockerels of style and beauty \$5.00 each while they last. Eggs from grand matings. Order early. Satisfaction. Mrs. Jno. F. Payne, Charlottesville, Va., University Station. 2-1t

White Plymouth Rocks. Big pure white cockerels at \$2.50 to \$5.00 each. One mated pen. Percy M. Crabs, Reynolds, Ill. 2-2t

Dr. Bray's strain of Partridge Plymouth Rocks. Known everywhere for their beauty and perfection. Eggs shipped to Alaska with fine results. Eggs \$4.00 setting. Dr. J. Hogan Bray, Greenville, Ky. 2-3t

I have a choice lots of Barred Plymouth Rock cockerels for sale at \$2.50 each, if taken early. Mrs. G. R. Slay, Hazlehurst, Miss. 2-1t

BIG CLASSIFIED ADVERTISING OFFER

Hundreds of our subscribers and readers who have never advertised their stock or eggs should start this year and carry a small classified advertisement in the INDUSTRIOS HEN for the coming season. The cost is only a few cents a month, and you will find they will bring you back dollars in return. Do not depend on selling your surplus cockerels and eggs around the neighborhood at low prices, when we can help you sell them at prices that will bring you in a nice bunch of money and establish you a business which will grow from year to year.

Send us your copy to start in next issue and continue through the season. Our readers would purchase your stock and eggs now if they only knew of you. A small classified advertisement in the HEN will introduce you to thousands of live buyers, for only a few cents cost to you. Take advantage of this offer.

OUR OFFER FOR 30 DAYS ONLY

WORDS	Regular Rates @ 3c per Word Four Months	Regular Rates @ 3c per Word Six Months
20	\$2.40	\$3.60
30	3.60	5.40
40	4.80	7.20
50	6.00	9.00

Send your copy in for four months and we will give you one extra month free. Five months for the price of four. Send it in for six months and we will give you two extra months. Send it in for nine months and you will get three months free, making a full year's advertising. We make this liberal offer to encourage a breeder to carry copy the year around. It pays in the end.

This offer is only good for thirty days. Take advantage of the saving while it lasts. No order will be accepted on the above for less than four months or less than twenty words. Cash for full amount must accompany each order. Write copy plainly and mail early. Address:

CLASSIFIED ADV. DEPT.,
THE INDUSTRIOS HEN,
Louisville, Kentucky.

RHODE ISLAND REDS

S. C. Rhode Island Reds. Blue ribbon winners at the best shows. Dark red and prolific layers. Prices reasonable, and you must be satisfied. Get my mating list before you buy—it's free. H. C. Leach, Atwood, Tenn. 1-2t

S. C. Reds. America's best blood. Tompkins and Crowther strains. Four pens mated for eggs at \$1.00 to \$3.00 per 15. Mating list free. Explains all. Harvey Baker, Johnstown, Ohio. 2-5t

Single Comb Rhode Island Reds. The rich dark velvet red color that has the lustre to win in strong competition. Limited number of eggs from two of the best pens I ever mated. Satisfaction guaranteed. C. H. Briley, Antioch, Tenn. 2-5t

S. C. Rhode Island Red eggs for sale.

From a well bred strain. Get my prices before you buy elsewhere. E. F. Hixson, Hixson, Tenn., Box No. 1. 1-3t

Attention! Look! Rose Comb Red cockerels, pullets. Bill Taft and Bean Sensation strains direct, America's two greatest blood lines, each in their purity. Grand lot of exhibition and breeding stock. Dark, rich color, great type, etc. Prices reasonable. Sold on approval. Satisfaction guaranteed. Harry M. Myers, Defiance, Ohio, Route 6. 11-4t

Single Comb Rhode Island Reds. Eggs for hatching \$3.00 per 15, from the yard that won more first premiums for the number of birds shown at the great Tri-State Fair, 1916. J. W. Haynie, Milan, Tenn. 2-3t

Rose Comb Red cockerels from exhibition and record layers. Size, shape and color. Bean strain, \$2.50 and up. Shipped on approval. Ben Dougherty, Metcalf, Ill. 2-1t

Nineteen-seventeen mating list ready. Remarkable winning for the last six years on my Single Comb Reds. Eggs after February 1. Mating list free. A. E. Cralle, Farmville, Va. 2-1t

Just back from Norfolk, Va., Show. Won 3d and 5th cockerel on two entries; 32 cockerels in class. If you want strong show quality S. C. Reds—eggs \$5.00, \$4.00, \$2.00 per 15. Incubator eggs 10 cents each. Honest dealing. Order from this ad. Tom D. Ayers, Morristown, Tenn., R. F. D. No. 3. 2-5t

"Hiawatha" Single Comb Rhode Island Reds. Sweepstakes cup winners. Fine color and type. Eggs for hatching \$2.00 per 15. Geo. C. Cannady, Mt. Carmel, Ill. 2-3t

High class Single Comb Red cocks and White Rock cockerels for sale. Write me. Robert Freshwater, Haw River, N. C. 2-1t

SUSSEX

Bargains in early hatched Speckled Sussex cockerels. Sussex eggs in season. Maple Grove Farm, Elkville, Ill. 1-2t

Red and Speckled Sussex, winners at New York and Chicago. Stock and eggs reasonable. Mating list. Sussex Yards, Washta, Iowa. 2-1t

Speckled Sussex. Eggs from high scoring pen headed by a Rawnsley-Shields cock, \$3.00 per 15. Mating list on application. E. Eichin, Olney, Ill. 2-1t

Speckled Sussex, the fowl with three colors; most beautiful and excellent layers and table fowls. In the great North American Egg Laying Contest, this variety is tying for third place. Stock and eggs for sale. Aug. D. Arnold, Box H, Dillsburg, Pa. 2-1t

WYANDOTTES

Silver Laced Wyandotte Cockerels— Fine birds. Satisfaction guaranteed. Eggs in season. The Wyandotte Poultry farm, C. W. Hunter, proprietor, R. No. 6, Box 111, Mt. Vernon, Ohio. 12-4t

Silver Laced Wyandottes. Exclusive stock at all times. Eggs and baby chicks in season. Mrs. Sarah Paul, Lomax, Ill. 1-3t

Silver Laced Wyandottes. I have a few utility cockerels for sale. Eggs in season, \$1.25 per 15; \$1.50 by parcel post. From farm raised utility flock. C. E. Courier, Allendale, Ill., R. F. D. No. 1. 1-4t

Columbian Wyandottes. Prize winning Columbian Wyandottes. Choice cocks and cockerels for sale. Eggs in season. Miss M. Doll, Frankfort and Ewing Aves., Louisville, Ky. 2-3t

Silver Laced Wyandotte eggs from two choice pens, \$1.50 per setting of 15. Mrs. Susie Leek, Route No. 2, Allendale, Ill. (?)

"Duston" White Wyandottes. Louisville, first cock, first cockerel, second pullet and third pen. Penned eggs \$4.00 and \$5.00. Utility \$1.50 set; \$6.00, 100. Mrs. Tom H. Hayden, Owensboro, Ky., R. No. 6. 2-5t

Odum's White Wyandottes. I don't sell photographs in water colors or oil paintings, but I will sell you eggs that will produce high class exhibition and breeding birds. Write me for quality and price. J. A. Odum, Knoxville, Tenn. (?)

(Continued on page 144.)



OUR oldest Old Trusties are 13 years old this year and still in use. Suppose, for example, you had our 120-egg size at \$10.00, which was the usual price 13 years ago. The cost per year would be about 77c, and if four hatches per season were made they would cost you about 1934 cents each. Francis Kressler of Walnutport, Pa., writes that he has used Old Trusty 10 years, made 4 to 5 hatches every year, and it's still as good it was the first season. Mrs. C. E. Roberts of Paola, Kansas, writes: "Have been using Old Trusty 12 years and it still does fine work." Old Trusty is low in price in the first place, and when you consider years of usefulness, the cost is rock bottom. Even the hens can't match it.

Old Trusty

\$9 60

Brings you this top-notch OLD TRUSTY with redwood case to any part east of the Rockies—a trifle more to points farther west. Not a new or untried machine, but real OLD TRUSTY without the metal cover.

Here's Your Answer to the Price Question

This beats anything that we have ever before been able to offer. In spite of rising costs and increasing prices everywhere we can still let you get this machine at a money-saving price.

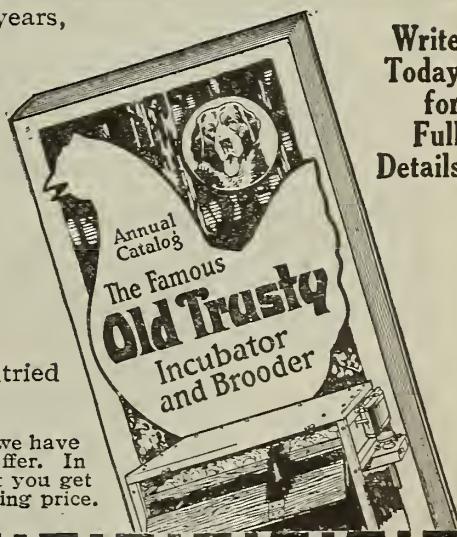
Get This Book Free The Johnson book of Poultry Know-How deals with profitable poultry raising. Write us. We are always glad to send a copy free. Write a letter if you like and tell us how many chickens you raise, whether your hens lay fall and winter, and what success you have had. Our catalog answers most poultry questions but we are glad to write letters too. Mail the coupon or a postal if more convenient. Yours very truly,

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Address _____

Answer following questions if you care to. How many chickens do you keep? _____ Do your hens lay in fall and winter? _____

Have you used an incubator and have you been successful? _____

Do you live in town or on the farm? _____

Have you had any poultry troubles? _____

DO IT NOW

Don't wait until the last minute and think you will be able to get February, March and April chicks. We are always booked to our full capacity for the early months, and have booked at this time more orders than any previous year. Bear in mind, we have only one breed,

Single Comb White Leghorns

and they are healthy vigorous, heavy winter layers of large white eggs. Every bird that enters our breeding houses is a fully matured, selected breeder of quality. We offer you strong, vigorous baby chicks; the kind that live and mature into large, healthy pullets at the following prices:

25 Chicks	\$ 3.75
50 Chicks	7.00
100 Chicks	12.00
500 Chicks per 100	11.00
1,000 Chicks, per 100	10.00

Why take chances? Just tell us how many you want, and when you want them, and we will give you prompt service. Send for booklet, which tells you more. It's free.

GAULT EGG FARM,
CHAMPAIGN, Station 7 ILLINOIS

I'LL SHOW YOU HOW— TO MAKE POULTRY PAY

I have helped thousands of men and women make money with chickens and I can help you. No matter if you have tried poultry raising and failed to make it pay—no matter if you are an old hand or just beginning—no matter if you have just a few hens or an extensive plant I can and will show you how to make them pay and pay big. Our course of lessons in Poultry Husbandry covers every phase of the subject. It gives you that knowledge that is so essential to success. Write today for our Free Book "Dollars and Sense in the Poultry Business" and learn to make and save money with chickens.

T. E. QUISNERBERRY, Pres.
AMERICAN SCHOOL OF POULTRY HUSBANDRY,
Leavenworth, Kans.

BOOK FREE DOLLARS AND SENSE IN THE POULTRY BUSINESS

Box 60.

Both Machines \$10
Freight Paid Only

WINNERS IN BIG HATCHING CONTESTS EVERY YEAR

Think of it! These two UN-BEATABLE Wisconsin Machines—both for only \$10—freight paid east of Rockies. Guaranteed 10 years and sold on 30 days trial—

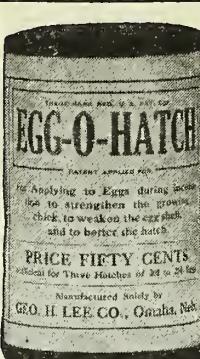
MONEY BACK IF NOT SATISFIED

Wisconsins are made of genuine California Redwood. Incubators have double walls, air space between, double glass doors, copper tanks, self-regulating. Shipped complete with thermometers, egg tester, lamps, etc., ready to run. Biggest incubator bargain of the year. Send for our new 1917 catalog fully describing this outfit. A postal brings it by return mail.

180-Egg Incubator and Brooder both \$12.75

WISCONSIN INCUBATOR COMPANY

Box 56, Racine, Wis.



EGG-O-HATCH

How and Why it Better the Hatch And Brings Stronger Chicks

Egg-O-Hatch is a dry powder. Mixed with water it makes a solution rich in loosely available oxygen and with a strong affinity for carbon dioxide. That is, when applied to eggs during incubation, it soaks into the shell and supplies oxygen for the growing chick; absorbs the carbonic acid gas given off; further, by its action on the animal matter of the shell, it renders the shell more porous and brittle.

Up to the hatching point, a chick breathes through innumerable blood vessels located in the inner membrane just within the shell. Close the pores of the shell and the chick quickly dries. Partially close them and the chick is weakened just the same as if partially strangled. If, at the same time, the shell is drying out and becoming harder, tougher and non-porous, a point is reached where the chick is too weak to break out of the tough shell.

The margin between strength of chick and strength of shell is small at the best and good hatches can result only when this margin is kept as large as possible

Egg-O-Hatch is easily and quickly applied to eggs by spraying or dipping. It is used only three times during the 21 days. Our later experimental hatches have invariably shown from 10 to 40 per cent better hatches where Egg-O-Hatch was used, and all were better, stronger chicks. Fifty test hatches showed an average of 96 per cent for eggs treated with Egg-O-Hatch, and 81 per cent for eggs not treated, RIGHT IN THE SAME MACHINE. Egg-O-Hatch is easily proven. Use it on half the eggs in an incubator.

ONE SIZE ONLY, 50 cents postpaid, or at dealers. Sufficient for 600 to 700 eggs. Sample 10 cents. Enough for 50 to 100 eggs. Our No. 19 Atomizer, all glass and rubber, is handiest and best way to apply Egg-O-Hatch. PRICE 75 CENTS.

To rid chickens and their roosting places of lice and mites, paint or spray Lee's Lice Killer on the roosts. Kills lice on bodies of poultry roosting over it; also insects causing "scaly leg." No handling, dusting, dipping or greasing. \$1.25 gallon, express prepaid; \$1 at dealers.

Germozone, given in drinking water, purifies the water and vessels, prevents spread of disease, counteracts musty or spoiled food, prevents and relieves bowel troubles. Is effective remedy for roup, colds, swelled head, canker and skin disease. Liquid form, 12 oz., 50c; tablet form, 50c postpaid.

Egg-o-latum, for preserving eggs, 50-dozen size, 50 cents postpaid. Lee's Egg Maker, five sizes, 25c, \$1.25, \$2.50 and \$8. Lee's Louse Powder, two sizes, 25c, 50c—1 1/4 and 3-lb. sizes. Mandy Lee Incubators, 60 to 300-egg Brooders, 5 kinds. Send for catalog, poultry books and delivery terms.

GEO. H. LEE CO., 319 Lee Building, Omaha, Neb.

Scott's Anconas and Silver Campines



My beautiful and vigorous Ancona cockerels for sale at \$2, \$3 and \$5 each utility. Select breeders and exhibition birds quoted upon request. Three sweepstakes to their credit at three large shows exhibited at this fall. Our breeding pens will be better than ever before, the coming season. Customers receiving better quality for same old price, \$2, \$3 and \$5 per setting of 15 eggs. We will appreciate your order or inquiry. Two-cent stamp brings catalogue.

CEDAR HILL POULTRY FARM, H. A. SCOTT, Prop. Cumberland City, Tenn.

CALHOUN'S S. C. WHITE LEGHORNS

A never-failing source of pleasure and profit. Large, vigorous and of true Leghorn type. You will be proud to have a flock in your possession. And remember, they are the Great Winter Layers, and will show their breeding if properly cared for. May we add YOU to our long list of pleased customers? Write for prices on hatching eggs and chicks from our splendid utility and exhibition matings.

WOODLAND POULTRY FARM,

JNO. R. CALHOUN, Prop.

Morristown, Tennessee

SINGLE COMB BLACK MINORCAS

Winners of 10 of a possible 13 First Prizes in three shows. Select settings \$3.00. Utility settings \$1.50

W. S. EHRICH,

429 Ravenwood, Evansville, Indiana

ENGLISH 200-EGG STRAIN S. C. WHITE LEGHORNS

CHAMPION WINTER LAYERS

One flock, 450 of our pullets, made the wonderful 60 per cent egg yield for November and December, 1916. Isn't this proof enough that we have the greatest fall and winter layers? BABY CHICKS \$14 per 100. HATCHING EGGS \$8 per 100. Ninety-five per cent fertility of eggs and arrival of chicks in perfect condition guaranteed. Satisfaction guaranteed or your money refunded. Mail your order now and insure prompt future delivery.

VALLEY VIEW POULTRY FARM,

FRANK SEAGLE, Prop.

Box 60

Morristown, Tennessee

SINGLE COMB WHITE LEGHORNS

A. J. Lawson—Sixteen years a breeder. Best Egg Strain, and they always win the Blue. Eggs 15 or 1,000. 100 fine breeding cockcrews and cocks.

WHITE HILL POULTRY FARM,

Cleveland, Tennessee

THE INDUSTRIOUS HEN

VOL. XIII.

LOUISVILLE, KY., FEBRUARY, 1917

No. 9

PROPER MATING OF RHODE ISLAND REDS

To Produce Good Reds You Must Use Care In Mating Up Your Breeding Pens. Type and Color Should be Given First Consideration. Study Your Birds and Correct Your Mistakes of Last Season

BY MRS. DONALD DONALDSON

THE AMATEUR who is trying to breed standard quality Rhode Island Reds must be familiar with standard requirements and the various markings which go to make a fine specimen. He must be able to recognize true type and color and demand these two essentials in his breeders. To some, type means only a long back and low tail, but there is more than this in true type. There must be the proper width to the back, the long keel bone and prominent breast, giving the Red a forward appearance. It is impossible to describe the rich lustrous red color of the exhibition bird, but the trained eye recognizes it at once. It is a deep, fiery, glossy red, yet not a mahogany and never approaching the chocolate shade. At the same time, this ideal color presents a soft and silky appearance throughout, in the finest specimens.

Much of a Red's value lies in surface color and type, but these are not all. There are the undercolor, head points and black markings. The perfect Red is yet to be produced, so do not expect every good point in the individual bird, but choose for all around excellence. A red eye and low, well shaped comb add to a Red's appearance and I require at least fairly good head points in my breeders. The pen head should have not only a greenish black tail, but it must be full and well spread. The wing markings must be as good as possible, not sacrificing color and type, for they must come first of all.

Now suppose you have a flock of good looking Reds and want to mate them to produce better quality, and perhaps a few exhibition birds. You go over your males and find one of good type and color, choosing him for your particular mating. His undercolor is a rich red with a slight bar of slate down the back. He has good black markings and a nice comb, but is off in eye color. The proper mates for such a bird should be as good color and type as you can get, showing no trace of slate in the undercolor and but little black in the wings. They should have good red eyes. Such a mating will give nice results, provided the birds are of good ancestry. Be sure to balance the weak points in the male by having his mates strong in that section.

I prefer a cock which has gone through the moult sound to a young cockerel for breeding purposes. So many fine cockerels moult bad defects, cotton over the thighs and white at the base of the tail being the most common. A cockerel with white in the undercolor has no place in the

fancy breeding pen, never mind how fine he be otherwise. Take slate in preference any time, but use red clean undercolor if you can get it. See that the hackle is sound. When using a little slate, I prefer it on the female side and advise anyone troubled with cotton in the undercolor to try a little of this excess coloring. Black is a feeder for red, but must be used judiciously.

Some of the best females show a little peppering on the wing bows. Do not discard such if otherwise sound, but mate them to a bird not over strong in black markings.

The bird that has moulted sound is very valuable. The hens especially have a tendency to weaken in under color and lose their black markings after moult.

The most uniform flocks of Reds were bred from small matings. In laying your foundation, select a few even red hens of the same shade. A small bunch of chicks from them will be worth more than a whole flock bred from a larger pen with hens of different shades.

I pay some attention to the color of the shanks and notice my best Reds are full of pigment which shows itself strong on the shanks and beak. I like the pullets with rich yellow legs and horn color running down the front. Such birds have color of unusual strength and are able to hold it.

So much is written and said about type nowadays. The best breeders go in for advance type, but do not sacrifice color to it. Show a Red of fine type and weak color and it will not be noticed. It takes color as well as type to win and color is harder to breed than type and still harder to keep. In judging a strong class of Reds, a noted judge told me he let color rule first. He would pick out the best pullets with that red color that catches the eye, at the same time looking out for type. When it came to final awards, type would rule, color being equally good.

Breed for symmetry and standard size. The large, full, well-shaped bird that fills the eye is the blue ribbon winners.

The production of high class Reds is an art not easily mastered. Many have not the birds for an ideal mating, nor the means to obtain them, but such can mate the Reds they have intelligently and make rapid progress, provided they cull closely. It takes time, patience and money for the amateur to become a skilled Red breeder, able to produce exhibition quality.

DECEMBER REPORT OF SIXTH NATIONAL EGG LAYING CONTEST.

Hens Produce Pound of Eggs for Each Pound of Feed Above Maintenance.—The Proportion of Feed Used for Making Eggs.—Why Hens Stop Laying on Short Notice When Weather Turns Cold.—Contest Made Good Record.—R. C. Rhode Island Whites Win Cup for December.

FROM records of previous contests at Mountain Grove, the average hen weighs five pounds, consumes seventy-five pounds of feed and produces one hundred fifty eggs per year. The indications are that she uses three-fourths of the feed to supply her body and one-fourth to make eggs, and from each one-fourth pound of feed above maintenance, she makes two eggs, which weigh one-fourth pound, thus producing a pound of eggs for each pound of feed above maintenance, taking the year as a basis for averages.

The hens had feed before them at all times and as the average hen consumed seventy-five pounds of feed, which is twelve hundred ounces, it will be seen that the hen's digestive capacity is one hundred ounces per month, and that she averaged using seventy-five ounces for her body and from the other twenty-five ounces, she made twelve and one-half eggs, which weighed twenty-five ounces.

Although we believe the hen's digestive capacity is about the same at all times, yet she does not produce the same number of eggs each month, which is accounted for by the proportion of feed required for her body at different times. If the weather is pleasant and other conditions right, the hen may use only fifty ounces for her body and make twenty-five eggs from the other fifty ounces of feed, but if the weather turns cold and her house not what it should be so that ninety ounces of feed is needed for her body, she can make only five eggs from the other ten ounces, and if the weather changes suddenly so that one hundred ten ounces of feed is needed to support her body, she can and does arrest the eggs which are partly developed, turn the egg material back into her own system, and use it as food, which explains why hens stop laying on short notice after a sudden change in the weather.

These averages were obtained by using a large enough number of hens that the individuality of a single hen is destroyed, which makes the average more accurate. It must be remembered that while some hens have a digestive capacity of only eighty ounces per month, others have a capacity of one hundred twenty ounces, yet the same rules governing maintenance and egg production apply.

The next question naturally is, "What can we do to lessen the quantity of feed necessary for the hen's body in order that a larger part of the feed may be used for eggs?" Where hens roost out during the winter with no protection from the storms, they cannot digest any more food than is necessary to support their bodies. Therefore, comfortable houses economize food and make it possible for the hens to produce eggs in winter.

Another very important point is the balancing of the feed ration so that the digestive system is not required to do unnecessary work. To illustrate, if a hen is fed one hundred ounces of feed per month, only sixty per cent of which is properly balanced, the hen will appear healthy and hungry, yet produce no eggs, for it will be seen that her digestive system is burdened with the forty per cent of the feed which cannot be used.

The condition of the feed, time and regularity of feeding, water supply, etc., are all important points to be considered.

One of the first points to be considered in breeding for egg production is to get a good digestive system for powerful egg organs and a weak digestive system will never make a high egg producer.

We might summarize as follows:

A hen's digestive capacity is limited; the number of eggs produced is determined by the difference between body maintenance and digestive capacity; maintenance is governed largely by conditions which the poultryman can control.

The Contest.

The 290 hens in the sixth egg laying contest produced 2,872 eggs during December, which is almost ten eggs each. The highest producing pen for November and December has produced 210 eggs, which would average 252 eggs each if they continue at the same rate throughout the year.

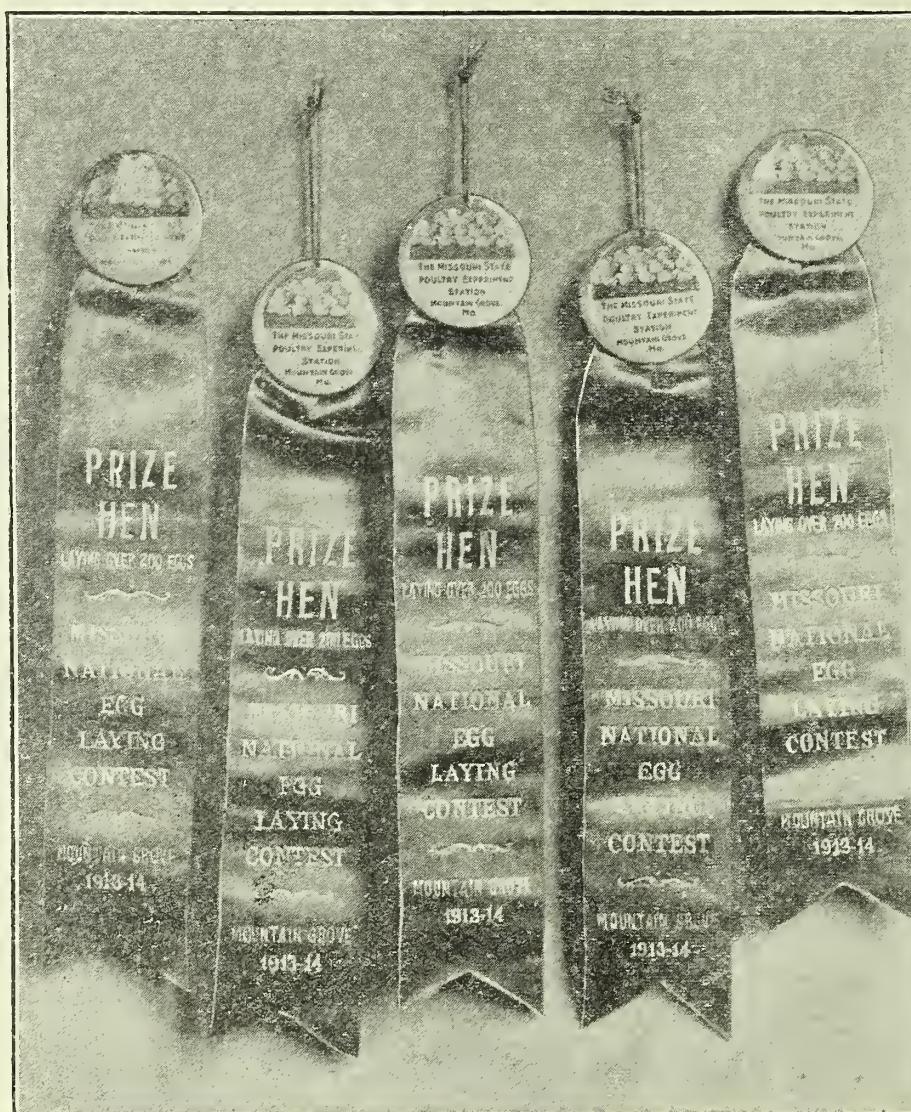
The highest producing individual for the two months produced fifty-four eggs, which means 324 eggs during the year at the same rate. It is not safe to make this prophecy, but it goes to show that if pullets are properly developed, it is possible to get a good egg yield during the winter months.

The five highest pens for the month are as follows:

Pen.	Eggs
19. R. C. Rhode Island Whites	New Jersey 113
31. White Wyandottes	New York 102
35. White Wyandottes	Missouri 102
23. White Orpingtons	Missouri 94
28. S. C. Rhode Island Reds	Iowa 93
20. R. C. Rhode Island Reds	Missouri 92

The five highest hens for the two months are as follows:

Hen. Pen.	Eggs.
4. 35. White Wyandotte	Missouri 54
3. 19. R. C. Rhode Island White	New Jersey 50
1. 28. S. C. Rhode Island Red	Iowa 47
3. 31. White Wyandotte	New York 47
3. 35. White Wyandotte	Missouri 47
1. 3. Buckeye	Missouri 46



Ribbons won at the Missouri National Egg Laying Contest, Mountain Grove, Mo., by Golden Rod Strain S. C. White Leghorns, bred and owned by P. M. Beard, proprietor Golden Rod Egg Farm, Hardinsburg, Ky. Look up his ad. in this issue and get his prices on stock, eggs and baby chicks.

the other ten ounces, and if the weather changes suddenly so that one hundred ten ounces of feed is needed to support her body, she can and does arrest the eggs which are partly developed, turn the egg material back into her own system, and use it as food, which explains why hens stop laying on short notice after a sudden change in the weather.

These averages were obtained by using a large enough number of hens that the individuality of a single hen is destroyed, which makes the average more accurate. It must be remembered that while some hens have a digestive capacity of only eighty ounces per month, others have a capacity of one hundred twenty ounces, yet the same rules governing maintenance and egg production apply.

2.	24. S. C. Rhode Island Red	Missouri	46
8.	1. White Rock	Idaho	45
4.	31. White Wyandotte	New York	45

The ten highest pens for November and December are as follows:

Pen.		Eggs.	
35.	White Wyandottes	Missouri	210
31.	White Wyandottes	New York	209
19.	R. C. Rhode Island Whites	New Jersey	181
27.	Buff Orpingtons	Missouri	179
22.	R. C. Rhode Island Reds	Missouri	165
20.	R. C. Rhode Island Reds	Missouri	157
23.	White Orpingtons	Missouri	153
52.	S. C. White Leghorns	Missouri	151
28.	S. C. Rhode Island Reds	Iowa	148
18.	R. C. Rhode Island Reds	Missouri	146

The cup for December was won by pen 19, Rose Comb Rhode Island Whites, from New Jersey.

I hereby certify that the above is a correct report of the sixth National Egg Laying Contest for the month of December, 1916.

C. T. PATTERSON, Director,

Missouri State Poultry Experiment Station.
Mountain Grove, Mo.

ELIMINATE DRONES AT HATCHING TIME.

Incubators are a Necessity and are Used by the Most Successful Poultrymen.—Records of the American Egg Laying Contest.

THE baby chick season is at hand. It will be but new at least a portion of their flocks. The make preparations to hatch baby chicks to a few days until many poultrymen will begin to tion some things which should be given some consideration, especially when the price of feed is as high as at present. Unprofitable drones that are hatched are a source of considerable loss to the average poultryman, and incubators are a necessity and must be used if chicks are to be hatched in large numbers and if you expect to succeed.

From what experience I have had, from what tests I have made and from what experiments I have conducted, I feel safe in saying that the first half of the chickens which hatch in an incubator contain ninety per cent of the profit makers in that hatch. Ninety per cent of the last half of the chicks hatched will lose you money if kept to maturity. Our experience has been that the first ones hatched mature quicker, grow more rapidly, lay first, lay most eggs, make the best use of their food, and are more robust and healthy. The last half hatched contains most of the chicks lowest in vitality and those which are a menace to your flock. You will find most of the unprofitable ones in the last half of the eggs which hatch in any setting. A very small per cent of the last half of any hatch will ever pay you to keep beyond the broiler or frying age. If you can mark them and thus dispose of the tail-enders, you will be breeding from the best in your flock and will soon have a flock that is full of pep, vitality and profit-making ability.

The fact that a chick grows rapidly in the shell and makes good use of the food which nature has placed there for its use during the first twenty days of its growth and development, and then hatches and beats another chick out of the shell from six to twenty-four hours is an almost sure sign that the first will beat the last in the race of life and at every stage of its existence. There are exceptions, but this is the rule. Mark the first one-third or one-half of your chicks that hatch and try this out. It is an almost certain indicator of the profitable and unprofitable chicks. If you have to raise and carry half of your flock at a loss, you can readily see what a saving could be made by this plan.

If you don't own a good incubator, you had better purchase one at once. It is utterly impossible to hatch and rear a large number of chicks by the hen method. You can hatch just as large a per cent in a good machine as you can under hens, in fact, larger in most cases. The chicks are just as strong and healthy if you use any judgment in operating the incubator. Many people imagine that you have to sit up with them at night, which is not a fact. The largest and best farms use them, and they are in the business for the money that there is in it, and if any other method paid better, they would use it.

By using incubators you are able to hatch early chickens and hatch them when you want them. You can keep

your best hens busy laying. You do not need so much surplus stock and thus save enough feed in one year to pay for a good incubator. You can pedigree some of the chickens from your best stock. You are saved trouble with fussy hens, broken eggs, lice and many other disagreeable features of the hatching business. Clean up your machine and if it is out of repair so that it is not safe to use it, buy a new one. Get it now, so it will be ready when you need it.

The Contest.

The egg yield for December was much better than the previous month, but fourteen pens have not laid an egg. Most of the pens are in good condition, and we look for them to do extra well from now on. White Wyandottes lead for December. The Wyandottes, Reds, Rocks and Orpingtons were affected less by the zero weather than the Leghorns and smaller varieties. The highest individual record was twenty-eight eggs by White Wyandotte pullet No. 1126, from West Virginia, and one of the same variety, No. 1115, from Indiana, laid twenty-five eggs, and No. 952, Buff Orpington, from Missouri, laid twenty-five eggs.

Ten highest pens of five pullets each laid in December, 1916, as follows:

Pen.		Eggs.	
74.	White Wyandottes	Illinois	94
94.	Buff Wyandottes	Missouri	80
60.	R. C. Rhode Island Reds	Missouri	75
72.	S. C. Rhode Island Whites	Michigan	69
107.	S. C. Rhode Island Reds	Mississippi	68
96.	S. C. Buff Orpingtons	Kansas	67
9.	S. C. White Leghorns	Pennsylvania	65
114.	Barred Plymouth Rocks	Missouri	62
115.	Barred Plymouth Rocks	Illinois	62
95.	S. C. Buff Orpingtons	Missouri	57
105.	S. C. Rhode Island Reds	Missouri	57

Ten highest pens to date are as follows:

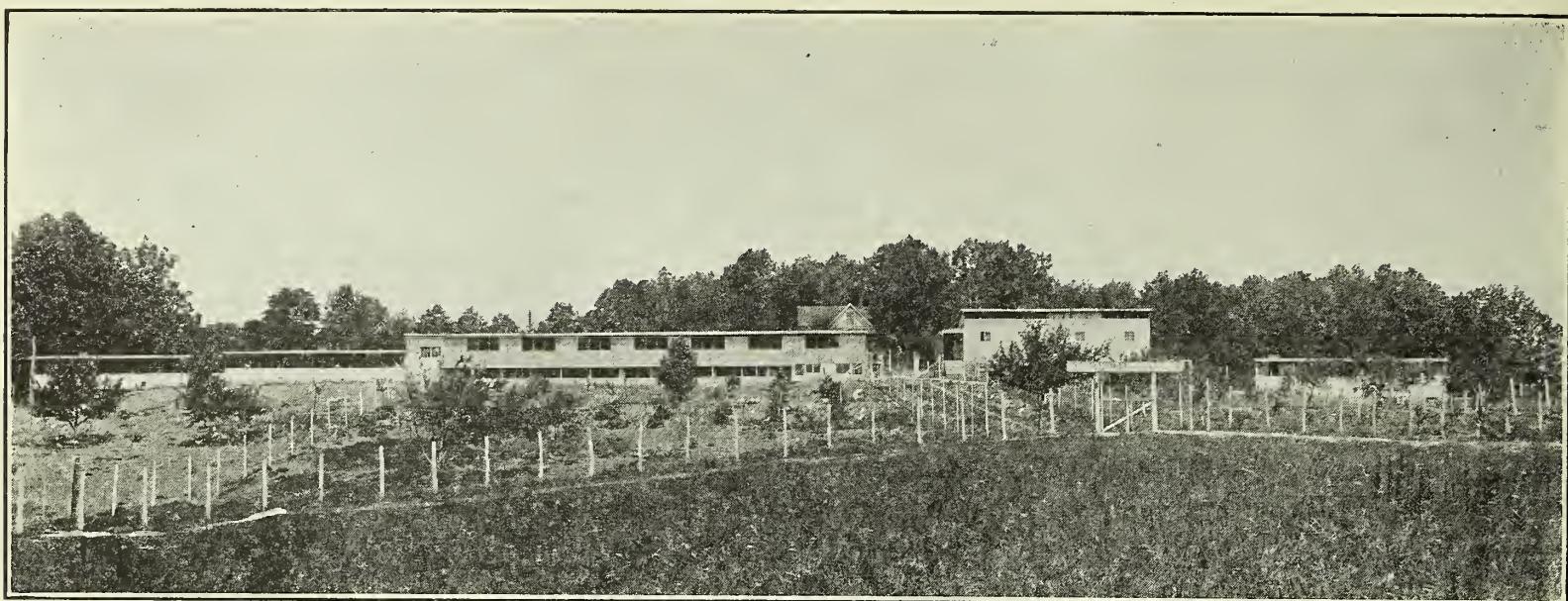
Pen.		Eggs.	
9.	S. C. White Leghorns	Pennsylvania	143
94.	Buff Wyandottes	Missouri	142
16.	S. C. White Leghorns	Kansas	141
74.	White Wyandottes	Illinois	128
75.	White Wyandottes	Illinois	113
	White Leghorns	Kansas	108
72.	S. C. Rhode Island Whites	Michigan	103
60.	R. C. Rhode Island Reds	Missouri	103
105.	S. C. Rhode Island Reds	Missouri	95
114.	Barred Plymouth Rocks	Missouri	92

The ten pullets in the pen contest that are leading for the two months are as follows:

No.		Eggs.	
743.	White Wyandottes	Illinois	48
461.	R. C. Black Rhinelander	California	46



First Single Comb White Leghorn cockerel at Louisville Armory Show, 1917; bred and owned by Dr. W. Barrow, Lexington, Ky. See advertisement in this issue.



WOODLAND POULTRY FARM, MORRISTOWN, TENN., OWNED BY JOHN R. CALHOUN.

Woodland Poultry Farm is one of the largest and most completely equipped poultry plants in the South, specializing in quality utility stock, high class exhibition birds, hatching eggs, sterile market eggs and day-old chicks. The farm now has over a thousand pullets, five hundred unrelated breeders and a capacity of two thousand birds. The incubating capacity is thirty-five hundred and the brooding capacity five thousand. The farm is located one-half mile from Morristown, on a southern slope facing the city. The laying houses, the feed and machinery room, incubator and brooding houses stretch across the center of the farm. The main laying house is two stories high with a long one-story addition extending to the western boundary. The sectional runs are sown to grass for pasture, and the many young fruit trees provide ample shade and furnish all kinds of fruit in abundance. Four acres in the rear are in woods—ideal for growing pullets in summer.

Efficiency has been the watchword in arranging the farm and buildings. Time and labor are greatly economized by centralizing the fowls in one row of buildings, with a feed and storage house, packing room and incubator cellar in the center of the group. Connection with city water system supplies running water to all buildings. The market eggs are shipped by express to New York City retailers who handle only fancy eggs. Being carefully selected and packed spotlessly white, they bring highest prices. Broilers, milk fed, are placed on New York market March first to June first.

Green pasture consisting of rape, clover, wheat, oats, etc., is on the range in winter. Before the layers at all times is dry mash consisting of six parts corn meal, three parts beef scrap and one part bran and shorts, by weight. Occasionally a warm mash of boiled alfalfa meal and a little beef scrap with sufficient bran and shorts added to make the mash crumbly is fed. The scratch feed is composed of four parts cracked corn, and one part each of oats, wheat and barley, by weight.

Mr. Calhoun finds his poultry business to be profitable. During the past year the demand for breeders and pullets far exceeded the supply. This is due to the enviable reputation "Woodland-bred" birds have made wherever sold, judicious advertising, Woodland's easy access to visitors and the publicity the farm has received through farm and poultry journals. Woodland, with its snow-white birds, large oak trees and pleasant view, is truly an ideal spot, and I think must have been intended by nature for a poultry plant.

A VISITOR.

944. Buff Wyandottes	Missouri	44
763. White Wyandottes	Arkansas	43
731. White Wyandottes	Oklahoma	43
756. White Wyandottes	Illinois	42
585. R. C. Rhode Island Reds	Missouri	37
854. Barred Plymouth Rocks	Kansas	36
1092. R. C. Rhode Island Whites	New Jersey	36
1056. S. C. Rhode Island Reds	Missouri	36
655. S. C. Rhode Island Reds	Kansas	36

The best records made in the individual contest for December were by a Buff Leghorn from Michigan and a White Rock from Kansas, each laying twenty-three eggs.

The five highest individuals are as follows:

	Eggs.
388. S. C. Buff Leghorn	Michigan
468. White Plymouth Rocks	Kansas
198. R. C. Rhode Island Reds	Ohio
739. S. C. White Leghorn	Missouri
347. S. C. Buff Leghorn	Michigan

I hereby certify that the above is a correct report of the first American Egg Laying Contest for the month of December.

T. E. QUISENBERRY, President,
American School of Poultry Husbandry,
Leavenworth, Kas.

GETTING WINTER EGGS.

If You can get Winter Eggs You Have Solved One of the Hard Problems.—Eggs at the Present Time are Worth from 50 to 80 Cents per Dozen.—You can Readily See the Possibilities if You can get Eggs During the Winter Months.

IT GOES without saying that the profit to be derived from a flock of fowls depends largely upon the egg production during the winter months when they are worth several times as much as during the summer season. The market demand for good, fresh, wholesome eggs from November 1 to April 1 far exceeds the supply, and as a result the producer of such eggs can virtually get his own price for them, especially if he lives near a good sized city. The well-to-do people of the cities are clamoring for fresh eggs the winter through, and the price is lost

sight of in their eagerness to get the strictly fresh product.

Heretofore the cold storage houses have been able to work off much of their supply—some being six to twelve months old—as fresh stock, but a quietus has recently been put upon their practices by the pure food departments in many of the large cities, and hereafter eggs must be sold for just what they are. This will have a tendency to still further stimulate the prices of strictly fresh stock, and the honest poultrymen of the country will be greatly benefited.

We don't know a more important question confronting the poultrymen of the country today than that of producing winter eggs—in fact, if they are going to reap the greatest possible profit from their flocks they must give the matter their most earnest attention and must adopt methods that will give them the desired results. We all know that any old hen—if she ever lays at all—will lay during the spring and early summer months. She lays at this time because it is perfectly natural for her to do so, but after she has laid about so many eggs—and sometimes not so many—she seems to get it into her head that she has done her full duty, and, unless coaxed a little, she takes a lay-off for the balance of the year.

It does not take any especial care or feeding to induce a flock of hens to produce eggs during the early summer months, but there is little, if any, profit in the eggs produced at this time, because every flock in the country is doing the same thing and as a natural consequence the country is flooded with eggs and prices are forced down to the minimum. It is when the prices are high—during the winter months—that there is profit in egg production.

Several years ago someone estimated that it cost eight cents per dozen to produce eggs the country over, exclusive of labor. We thought this estimate a little low at the time, and at the present time, with all kinds of feed extraordinarily high in price, we believe a very conservative estimate would be not less than fifteen cents per dozen as the actual cost of producing eggs, and it would not surprise us if it was found that it cost seventeen cents per dozen on an average the country over. There are exceptional cases, of course, where flocks have been bred for egg production and the drones and non-producers

weeded out, where the cost would be much less than the above, but we are writing now of the average flocks throughout the country.

The cost of producing eggs in winter may be very materially reduced if the poultrymen will give the matter a little study and will adopt up-to-date methods of feeding and caring for his flock. This will be one source of profit, but there is also another. By properly feeding and caring for his flock during the winter months he can greatly increase the egg supply. In other words, it is possible to decrease the cost of production and increase the revenue by simply giving the flock intelligent care.

KENTUCKY NATIONAL EGG LAYING CONTEST.

December Report of Egg Laying Contest Held by the Kentucky Agricultural Experiment Station, Lexington, Kentucky.

RECORDS show that for December the Kentucky National Egg Laying Contest made a very good record, 1,413 eggs being laid, as compared to 1,067 for the previous month's production. Pen No. 2, Single Comb Rhode Island Reds, from West Virginia, won first honors for the month with a total production of 100 eggs, this being an increase of nine eggs over last month's winner, which was pen No. 21, Single Comb White Leghorns, from Tennessee.

The weight of eggs from the different pens show a marked contrast, and brings out the fact that some pens, upon the basis of the contest, produce a greater profit than others, even though they do not lay as many eggs. Pen No. 10 for December produced eighty-seven eggs, giving a total weight of 10.05 pounds. Eight of these eggs were classified as firsts, as they weighed two ounces or over, while seventy-nine of them weighed less than two ounces and were classified as seconds. They gave a value of \$3.07 for the month's production. Pen No. 28, on the other hand, laid eighty-four eggs or three less than pen No. 10. However, these eggs gave a total weight of 11.18 pounds or 1.13 pounds more than the eggs from pen No. 10. Eighty of these eggs classified as firsts and only four as seconds. They gave a value of \$3.18 for the month or eleven cents more than the eggs from pen No. 10.

Pen No. 21, Single Comb White Leghorns, of Tennessee, won the ribbon for the first two months of the contest with a total of 170 eggs. Pen No. 2, Single Comb Rhode Island Reds, of West Virginia, was second with a total of 166 eggs.

The individual honors for the month again went to the White Leghorns. Hen No. 723, pen No. 21, produced thirty eggs and completed a continuous cycle of thirty-five eggs. This is an exceptionally long cycle and is especially remarkable when the fact is taken into consideration that the thermometer upon two different occasions went to within two degrees of zero during the month.

The high producing pens with their records for December follow:

Pen.	State.	Total Eggs.	Firsts.	Seconds.	Weight of Eggs.	Value.	Cost of Feed.	Profit.
2	W. Virginia	100	96	4	13.32	\$3.79	\$1.16	\$2.63
10	Kentucky	87	8	79	10.05	3.07	.89	2.16
28	Kentucky	84	80	4	11.18	3.18	.90	2.28
15	Kentucky	82	55	27	10.3	3.04	1.08	1.96
22	Illinois	80	71	9	10.46	3.01	.88	2.13
29	Kentucky	80	73	7	10.1	3.02	.91	2.11

The leading pens for the first two months of the contest rank as follows.

Pen.	State.	Total Eggs.	Firsts.	Seconds.	Weight of Eggs.	Value.	Cost of Feed.	Profit.
21	Tennessee	170	150	20	22.	\$6.19	\$1.73	\$4.46
2	W. Virginia	166	150	16	21.79	6.23	2.02	4.21
22	Illinois	164	143	21	21.34	5.98	1.65	4.33
29	Kentucky	156	123	33	19.47	5.62	1.46	4.16
28	Kentucky	152	134	18	19.58	5.57	1.55	4.02

The high producing hens with their records for December follow:

Pen.	Band Number.	Total.	Firsts.	Seconds.	Weight of Eggs.
21	723	30	30	0	4.01
24	707	26	1	25	2.89
10	790	25	3	22	2.9
21	721	24	23	1	3.17
15	761	24	6	18	2.66

All eggs produced in this contest are graded according to weight. Eggs weighing two ounces or more are classified as firsts, and all eggs under two ounces are classified as seconds. Firsts are given top local market prices and seconds are given a value of three cents per dozen under top market value. In this way it is possible for two hens to lay the same number of eggs, but the individual producing eggs weighing two ounces or more will be accredited with a greater net value than the hen laying eggs less than two ounces in weight.

CARE OF THE BABY CHICKS.

Where Chicks Are Raised with the "Wooden Mother" Success Depends on the Operator—Uniform Heat, Proper Food and Care Will Produce Strong, Healthy Birds.

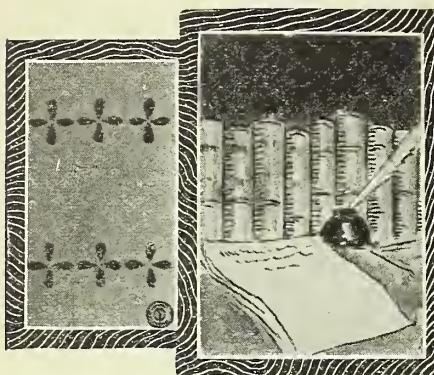
By MRS. JOE MULLIGAN, St. Joseph, Ky.

ABEGINNER in chick raising who is having a first experience with artificially brooded chicks, should not forget for a moment that the "wooden mother" is simply a machine, with no natural warmth to impart to her baby chicks, and no mother instincts to look out for the well-being and safety of the flock. The breeder who raises chicks artificially must supply the brains and instinct necessary, as the machine is intended only to respond to the management of the operator. It will supply warmth to the chicks, if the lamp is filled regularly, the wick cleaned daily and the lamp flame turned just high enough to keep advised temperature under the hover. This means several times a day to look at the lamp flame, for many a trip during the day and last thing at night a peep is taken by the careful chick raiser. Many a disaster is averted by these occasional peeps. The blaze has a provoking way of creeping up too high sometimes, and a visit to the brooder at just the right time prevents trouble. It rests with the operator to regulate the fresh air supply within the brooder. It is a mistaken idea that every slide must be kept tightly closed when the weather is chilly. The chicks need fresh air to be healthy and vigorous and more often too high a temperature is kept within the brooder than too low.

The first few days after the chicks are confided to the care of the "wooden mother," they need quiet and letting alone more than anything else. Water in some vessel that prevents the chicks from getting wet should be kept before them after they are two weeks old; before this it is enough to give them fresh scalded milk at feeding time, removing vessel when all have drunk.

Just as soon as possible chicks should be allowed out on ground as there is something they get from the soil and their contact with mother earth that is just what is needed for their health and rapid growth. Just put a layer of earth on the brooder floor and see how quickly the chick babies will get busy scratching and picking in the dirt, such will cause a lazy little loafer to become the busiest, most active and happy little fellow.

Cleanliness is absolutely necessary to successful chick raising. Twice a week at least (and every day would be still better), droppings and floor litter should be removed. This is not such a difficult task when done so often, and how much nicer the brooder looks, and the air is much purer. To raise chicks successfully takes time, calls for patience, often means sacrifices of personal pleasures and desires and is work pure and simple. If you have, in some way, gotten the impression that poultry raising was merely a pleasant pastime, the sooner you realize your mistake, the better for yourself and chicks.



How to Raise Strong, Healthy Chicks.

THE secret of success in raising small chicks is to be sure that they are strong and healthy when they are hatched. Or we can go back even further than this and say, be sure they are hatched from eggs of strong germs and that these eggs are laid by healthy, vigorous birds which have an abundance of vitality. Usually chicks hatched under these conditions are easily raised and grow into healthy and valuable birds. We were very much amused at what a breeder told us a few weeks ago, while visiting a poultry show, in regard to the trouble he has with his young stock. He remarked that he was able to get only about a fifty per cent hatch, and fully one-half these chicks died before they reached the age of ten days.

When we inquired as to his breeding stock, and had a chance to inspect some of his birds, we soon realized the cause of his trouble. It is easy to tell a strong, vigorous bird, either male or female, and the birds which he had at this particular show were good specimens, still they lacked the vitality it takes to produce strong, healthy chicks that will grow and develop into valuable breeders or layers.

In selecting eggs for hatching, use only those of uniform type and shape. Be sure they are laid by healthy vigorous birds. If you keep those two important points in your mind, you will have greater success and get larger hatches. No doubt a great many of you will purchase incubators this season. Possibly this is the first machine you have ever used and you are not familiar with its workings. If you do not get a fair hatch from your first trial, do not blame the machine, because, nine times out of ten, it is due to the inferior quality of the eggs and not the machine. Many times fertile eggs cannot be hatched and the chicks die in the shell on the eighteenth or twentieth day or right at hatching time. In most cases, this is caused from weak germed eggs and is not the fault of the machine.

We all realize what health and vitality means in the human race, and we are believers in having laws to enforce eugenic marriages. It is just as important if you want health and vitality in your birds to have nothing in your yards but strong, vigorous breeding birds. They will produce chicks that will make poultry raising a pleasure and profit for you. The proper incubation of the eggs, whether it be natural or artificial, of course, is essential but unless you have the right kind of eggs, little progress will be

made and possibly a whole season will be wasted, causing you to be discouraged with the poultry business.

When you hear of a failure in the poultry business, or any other, for that matter, you can rest assured that it is not the fault of the business, but the owner, for other people are making a great success in the same business every day.

Our Circulation Campaign.

FOR the past sixty days we have put on thousands of new subscribers from all over the South. We believe our advertisers will be glad to welcome this good news. We will put on thousands of other new readers between now and May first, which will give us the largest circulation South of the Ohio river, of any poultry paper published in the United States. We realize what this additional circulation will mean to our many advertisers in helping them sell their surplus stock and eggs during the coming year and we hope to receive their co-operation each month.

We want to thank our present advertisers and subscribers for their loyal support which they have given the Industrious Hen and we hope more poultry breeders in the South will patronize the columns of the Industrious Hen, because we know we can help them dispose of their surplus stock and eggs among our subscribers at a very small cost to them.

If all the poultry breeders in the South would co-operate with us, we would be able to do a still greater work in boosting and building up the poultry industry in the South. We should all work together. The breeders and poultry shows cannot do without the poultry press and the poultry press cannot get along without the breeders, so you see our interests are mutual.

We hope the Industrious Hen will get a still larger patronage from the poultry breeders all over the South in the future. A breeder by advertising each month in the year is doing himself a good deed, because it pays. He is also helping us pay our printing bills and other expenses incurred in getting out the paper each month, especially during the summer months, which is our dull season. We hope our advertisers will bear this in mind and let their copy run through the summer months.

The American Poultry Association Today.

THE American Poultry Association today is not as strong, or in other words, does not hold the confidence of the poultry breeders of this country as it did ten years

ago. There must be something done or I am afraid the old American Poultry Association will go to the "bow-wows," as Editor Hall expresses it in the January Big Four Poultry Journal.

It is true that the American Poultry Association, or at least some of the officers in charge, have made some bad mistakes which should be corrected, and corrected at once. Otherwise the trouble will grow worse. I have always refrained from discussing this A. P. A. matter through the columns of this paper, but I think it will do no harm and what I say I hope may do some good. Otherwise I would still remain silent.

In order to get the A. P. A. on a higher plane and regain the standing she has lost, there should be a thorough house cleaning and in the future they should be more careful whom they take as members of this body. They should try to get breeders and fanciers whose character and standing are above reproach, rather than take just anybody as they have done in the past in many cases, without practically any references whatever in order to get the ten dollars as membership fee. This is one mistake in our opinion which the association has made and one that must be corrected. No breeder who cannot give satisfactory references and who is known by his neighbors as being dishonest, not paying his honest debts, and who does not carry a good reputation should be allowed to become a member of the A. P. A. Had the association been more strict in these matters and permitted no crooks and dishonest breeders to get into its ranks, it would be a great deal better off. Then, too, when it is found beyond a reasonable doubt that certain members are dishonest and do not have the best of reputations, they should be expelled from the association at once.

We believe this is still another mistake the A. P. A. has made, especially in the Harrison case, which came up last August in Cleveland. If Mr. Penick was due anything at all, he should have had his full \$400 which Harrison received, instead of the \$200 which the Grievance Committee ordered Harrison to pay. Up to two months ago no part of this \$200 has been paid Mr. Penick. Since, Harrison has been indicted by the Federal Grand Jury at Fort Worth, Texas, for the use of the mails to defraud in the Penick-Harrison controversy.

If the A. P. A. expects to get the support of the good breeders in this country, they must handle such affairs in a different manner. We call your attention to these matters in all sincerity. It is not too late to correct



BUFF ORPINGTONS, S. C. R. I. REDS, BARRED ROCKS

Twenty Buff hens and three yearling cocks for sale. Also five yearling Red cocks at close prices. Three Red cockerels at \$5.00 each and a few Red pullets at \$2.00 each. Barred Rocks all sold. Buff Orpington cockerels at \$3.00 and \$5.00. Buff pullets at \$1.50, \$2.50 and \$5.00. At the Big Armory Show at Louisville, January 8-13, I won on Buffs: Second and fourth cockerels; first, third and fourth pullets; first pen and Silver Cup for best display of Orpingtons. Every bird entered was under the ribbons. Eggs from either breed \$1.50 and \$3.00 per fifteen. Satisfaction guaranteed.

S. M. HARBISON,

No. 410 A Maple Avenue,

Danville, Kentucky

these mistakes and it is up to the members in charge to act at the next meeting and show the public that the A. P. A. really stands for progress, purity and protection. It is true that we all make mistakes, but where we find out our shortcomings we should correct them.

They Have Stung Us—Other Publishers Beware!

FOR the benefit of our subscribers and other poultry and agricultural publications we are printing below a list of poultry breeders who have "stung" us and are now placed on our "dead beat" list. Any poultry breeder who is dishonest enough to refuse to pay his advertising account, we believe, will defraud our subscribers. We ask our subscribers and other publishers to beware of these breeders and have no dealings with them whatever. The accounts are absolutely uncollectible and even our attorneys are unable to collect them under process of law.

IT PAYS TO ADVERTISE IN THE INDUSTRIOUS HEN.

Orme, Tenn., Jan. 22, 1917.

**Industrious Hen,
Louisville, Ky.**

Dear Sirs: Enclosed find money order for which insert the following ad in your next issue. The January ad brought me good business.

Yours truly,

D. W. GARNER.

We could print dozens of others in this issue but space does not permit. If you have stock and eggs to sell, start your ad in our March issue.

We would like to see every poultry paper in the country take the same steps and have them co-operate with each other in order to put them out of business, and show them up as "dead beats" before the poultry world. The American Poultry Association should also take the matter in hand and expel every member who proves himself to be a breeder of this type. And unless the A. P. A. does co-operate with the poultry publishers in this respect and help rid the industry as well as the association of this class of breeders, the publishers of this country might begin to wonder if the A. P. A. really stands for progress, purity and protection. The poultry publishers need protection, and we need the co-operation of the A. P. A. to get it. The A. P. A. needs the co-operation of the publisher. We should work together.

We are going to publish the names of other "dead beats" from time to time through these columns and we hope the information will help some of the other publishers, so they will not be "stung" as we have been.

Miller Poultry Farm, Lancaster, Mo. J. W. Power, Maysville, Ky. Mrs. J. S. Dumaresq, Cato's Hall, Md. W. L. Beck, Kevil, Ky. J. Coleman Neff, Richmond, Ky. Talking Poultry Yards, Hamesport, N. Y. J. M. Springer, Stillwater, Okla. Oak Grove Poultry Farm, Dr. Geo. W. Brown, proprietor, Huntersville, N. C. A. G. Calloway, Louisville, Ky. White Rock Poultry Farm, Leesburg, Fla. Ridgeview Farms, Knowlesville, N. Y. Asperox Works, Hammond, Ind.

Louisville Wants the A. P. A. Convention.

THE forty-second annual meeting of the American Poultry Association will more than likely be held in Louisville. The Louisville Convention and Publicity League, the Louisville Board of Trade and the Kentucky Poultry Breeders Association have all extended invitations to this body to hold their next convention in Louisville. From all indications we believe the majority of the members will vote for Louisville.

We think that Louisville will draw

a larger number of members than any other city in the country, as it is centrally located and will draw from all sections alike. It can be reached at a less expense than any of the cities that have had the convention for the past four years. We hope that the members in casting their votes will not overlook the advantages which Louisville offers them as a meeting place for 1917. No city in the country has better hotel accommodations or is better prepared to entertain large conventions than Louisville. Hundreds of large conventions are held in Louisville each year and we hope that we will have the pleasure of entertaining the members of the American Poultry Association for 1917.

FREE HELPS for Poultrymen

More eggs—better chicks—healthy poultry—more profit. Get personal advice from experts at the

PRATT EXPERIMENT STATION

and FREE poultry books—Write Service Dep't. PRATT FOOD CO., Philadelphia, Pa. 424

S. C. WHITE ORPINGTONS

Won 1st and 4th pullet, 2d, 4th and 6th cockerel and 1st pen, grand champion hen, all breeds competing, also grand champion pullet, 1915, Tri-State Fair, Memphis, Tenn. Many extra fine cockerels now at half what they will cost when breeding season starts. Hurry before too late.

R. P. DORRIS.

PARIS, TENNESSEE

An Astounding Record of 255 Eggs in Eleven Months



was the Official Record of a Regal Dorcas Pullet in the NORTH AMERICAN EGG LAYING CONTEST. For years pullets bred and furnished by me have been making wonderful records in the Laying Contests, ranging from 200 to 245. The above, however, is the highest Official Record of a Regal female. Here is my customer's letter:

DuBois, Pa., Dec. 22, 1916.

Dear Sir: One of the pullets purchased from you and entered by me in the North American Egg Laying Contest, had an Official Record of 255 eggs for the year November 1, 1915, to November 1, 1916. This pullet did not begin laying until the fifth week of the contest so that the above record is for 48 weeks laying. Yours truly,

HARRY C. LOWE.

REGAL WHITE WYANDOTTES are the typical American White Wyandottes, not the slim-bodied, high-tailed, beefy-combed kind that are Wyandottes in name only. My birds are the kind you would like to own, with low, close-fitting combs, deep bay eyes, rich yellow legs, broad backs, low tails and chalk white plumage. From reports already received this season, Regal White Wyandottes in the hands of my customers have been winners in over one hundred shows. The Regal strain has reproduced its quality and established more successful breeders than any other strain in existence. If you are not getting good results in fertility or egg production, if your birds are weak in constitution and not as vigorous as you would like, why not make a new start with the Regal White Wyandottes? They have been tried and not been found wanting. Do not delay, but reserve your birds now while I have plenty to select from.

3000—Cocks, Hens, Cockerels and Pullets for sale—3000

Special value male and four females, \$25, \$35 and \$50. Fine exhibition or Dorcas cockerels, \$10, \$15, \$20 and \$25; pullets, \$4, \$5, \$8 and \$10. Stay-White utility cockerels, \$3 and \$5 each. Eggs for hatching, \$5 per 15 and \$10 per 15. FREE—Send for 1917 Catalogue and Mating List, just from the press. Send one dime for the REGAL WHITE WYANDOTTE BOOK, telling all about White Wyandottes.

JOHN S. MARTIN,

Box 911

Port Dover, Canada



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

Mr. Chas. J. Fisk.

One of the breeders most prominently mentioned for president of the A. P. A. is Mr. Chas. J. Fisk, owner of the Wilburtha Farms at Trenton Junction, N. J., one of the largest and most successful poultry plants of the East.

Mr. Fisk is a very capable man, a man of large interests who if elected would bring to the office of president an assured business administration. He is a life long fancier and breeder, and is in a position to give the association his time combined with unusual abilities as a presiding officer. Mr. Fisk does not seek this nomination nor the office and that is one of our best reasons for mentioning him.—Everybody's.

Premier Barred Rocks.

The great win made at the Palace, New York, Show, by O. B. Andrews with his Premier strain of Barred Rocks opens the way to others to show at our big Eastern shows. Mr. Andrews just distanced the field and won best display by 227 points over all others. Some record.

Famous White Rock Breeders.

W. R. Graves and wife, famous the country over, for their wonderful success with White Plymouth Rocks, have again entered the poultry field. Mr. Graves is to be poultry expert for the Russia Cement Company, who are putting out a new fish meal called "Chic-Chuk." Mrs. Graves will have charge of the booths for the company at the leading Eastern shows. They will make their home at Springfield, Mass., where they will be glad to hear from their many friends.

Knowing both of them as we do, we see nothing but future success for the company they are representing.

Mrs. A. C. Hawkins.

With deepest regret we announce the death of Mrs. A. C. Hawkins, wife of Mr. A. C. Hawkins, Lancaster, Mass. Mrs. Hawkins, although she has been in ill health for some weeks, her death came as a severe shock to her family and friends. She died suddenly Wednesday evening, November 29, after spending part of that day out-of-doors on the road to recovery, as her family presumed.

This announcement is particularly sad to us as we were a visitor at the Hawkins home but a few days before. For over twenty years Mr. Hawkins has been one of our valued friends and we had always admired his wife whose sweet disposition and womanly grace endeared her to all who met her. We extend our sympathy to Mr.

Hawkins and his family and hope they may bear bravely their great loss.—Everybody's.

Drafts.

There is a good deal of talk about the danger from drafts. We used to believe that drafts were dangerous to poultry. We believe now that poultry troubles are not so liable to be due to drafts as to other causes. We have kept healthy birds in good order in drafty quarters all through severe winter weather and with no ill results. We like a house that is really tight on

back, sides and roof and open in front, because we believe it more comfortable. But we have, for three seasons, wintered flocks without any trouble in an open-front house that is single walled and that has good sized cracks between the boards in sides and back. There are drafts in that house, but they do no harm. Do not be in too great a hurry to blame colds, etc., on drafts—look for the real cause, there is one, and you can find it if you put prejudice aside and really look.—A. P. J.

High Class White Plymouth Rocks
Eggs from strong, vigorous, prolific layers that will hatch chicks which will please and pay at \$1.50 per 15 and \$2.50 per 30. A good hatch guaranteed.
CHARLES HOLDER, Bridgeport, Ala.

Waterloo Poultry Farm

Bred to lay S. C. White Leghorns. Eggs \$1.00 per 15, 100 or more eggs, 6c per egg. Baby chicks. Write for prices. Satisfaction guaranteed.

J. L. CUNNINGHAM
KERRS CREEK R. F. D., No. 1 VIRGINIA

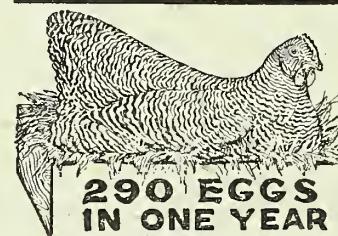
ROSE COMB REDS

A fine lot of cockerels at \$2 to \$15. Three extra fine cocks, \$5, \$10, and \$15. Eggs \$2 to \$5 per 15, after February 1st. State about what you want and we will please you or return your money.

MRS. H. R. NUSZ & SON

Box I. H.

Cecilian, Ky.



MAPLE SIDE "Bred-to-Lay" Barred Plymouth Rocks

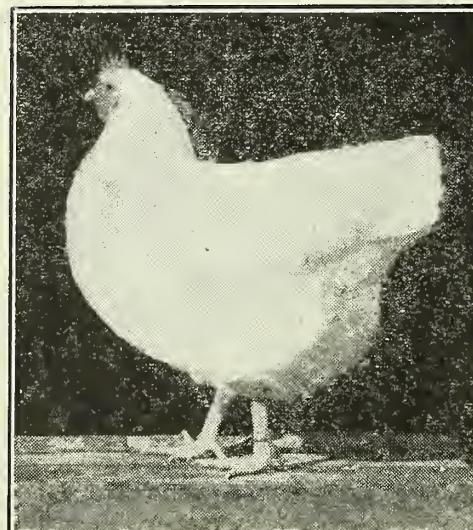
ACKNOWLEDGE NO SUPERIORS AS LAYERS
80% of all Hens on Hand Jan. 1, 1917, Averaged 201 Eggs Each
Superb Breeders, Pedigreed Stock, and Eggs for Hatching
Circular of facts free.

O. F. MITTENDORFF, Box M, Lincoln, Ill.

WORTHINGTON'S S. C. WHITE LEGHORNS

Winning at Tri-State Fair, Memphis, 1st and 5th Hens, 3rd Pullet, 5th Cock, 5th Old and Young Pens. Champion Hen. 5th sweepstakes State Show of Arkansas, Danville. Every prize but two in class. Largest and best display. They have won everywhere shown and are **Range Raised**. White, vigorous, and are bred to better Egg production. My pens are better this year than ever before, and all of them will produce Large, Healthy Chicks that will live, and there will be many winners raised from them. Eggs at \$2, \$3 and \$5 per 15. Baby Chicks. Mated pairs, trios and pens, singles, old or young. Book your order for eggs and chicks early. Satisfaction guaranteed.

H. C. WORTHINGTON, FORREST CITY, BOX 635, ARKANSAS



Unretouched Photo "HIGHLAND LADY", 1st Prize White Rock Hen, Chattanooga and Memphis, 1915, in competition with 125 single entries. 1st Prize Chattanooga, 1916.

Plymouth Rocks White Barred

THE KIND THAT LAY
WHEN EGGS PAY.

Prize winners and utility stock, eggs and baby chicks for sale.
Eggs \$1.50 per 15; baby chicks 15c each.

Satisfaction guaranteed.

Highland Poultry Farm
W. A. LUTHER, Prop.

SHEPHERD, TENNESSEE

SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

FEBRUARY is the beginning of real activities in the poultry yard. Additional pens are to be mated to meet the demand for hatching eggs, and certain changes are sure to have to be made in the yards already mated. The early hatches are to be taken off and the care of the little chicks demands no little attention during these cold damp days. Once started though, the early chicks invariably make better growth than the late hatched ones. Keep them warm and dry, by this we mean have a warm place that the chicks may go to and warm up, but allow them access to the outside runs when the sun shines and the ground is not too damp. They will enjoy getting out very much and it will do them good, provided they have a warm place to go when they are cold. Don't feed much wet feed to little chicks now. Use only clean sweet chick grain and one that does not have too much corn (cracked) in it. Dry bran is relished very much by chicks and will do them untold good in making bone and muscle. In fact, February will give the poultryman plenty to do if he will only do it, and we feel sure that no one can afford to fail to attend to things well now for a good beginning goes a long way toward success in the end. So get on the job now and have things going well when spring opens up.

You have had time to break several of those New Year resolutions by now. Have you kept them or have you broken them? Think them over and see if you are any better off for having made them. If not, why?

Have you been getting lots of eggs this winter while the prices were high? If not, there is a reason. In many cases the reason is late hatched pullets and consequently immature birds at the beginning of winter and it is mighty hard to mature and bring into laying pullets that are not grown when old winter sets in in earnest. Now is the time to remedy this situation for next winter by getting off a large number of chicks during this month and next. By doing this you will have mature laying pullets early next fall and winter, and more than that, you will have money in the bank for laying pullets make money for their owner when eggs are high. Hatch your chicks now and during the next two months and you will thank yourself for having done so when egg prices begin to soar next November.

The great Southeast offers, to our mind, the greatest opportunity to poultry raisers of any section in the United States today. The soil and climatic conditions are as near ideal as can be found and these go a long way in poultry raising. Our winters are short and mild and the summers

are not very hot except in the more extreme Southern States. We are only a short time from New York and other great market centers, being located on trunk line railroads; and, too, the South offers real good markets for eggs and poultry in many of the large cities. The great problem of feeding that now confronts the poultryman can be easily and readily solved here too, for green feed may be had throughout the winter as well as summer and oats, corn and wheat may be grown cheaply and with as little effort as in most any section of the country. Taking everything into consideration there are few places, if any, that are as suitable, and that offer such favorable conditions for the man about to start in the poultry business, or for the man looking for a more suitable and mild climate, than the great Southeast. Try Virginia, North Carolina, South Carolina, Tennessee or Georgia and you will find conditions about as near ideal as are to be found in these "little old United States."

In looking over the January number of the Industrious Hen, we were very much impressed with the show-

ing of this number and the great improvement over the same issue of last year. The Hen is no doubt the leader among Southern poultry magazines and it does make us feel good to see the great improvement that she has made during the last year or two. In view of the fact that conditions have never been as unfavorable to publishers as today, we want to congratulate the publishers upon the fact that they can get out a better magazine from year to year no matter how hard conditions may be with them, and with the hearty support of the



S. C. White Leghorns

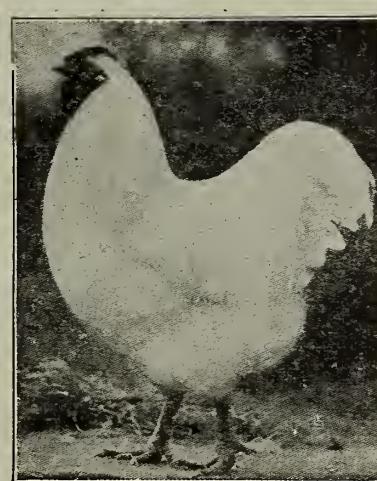
Place your order now for eggs and chicks bred from Sangers great egg layers. We guarantee satisfaction or money refunded. Address,

M. G. SANGER & SON
Leghorn Specialists,
MT. SOLON, VIRGINIA

WHITE PLYMOUTH ROCKS

Our birds won as follows at the Tri State Fair Memphis, 1916: 1st young pen, 4th old pen, 4th cockerel, 4th pullet in competition with World's Fair Champions. Write us for prices on stock or eggs

Mrs. Ira Johnson, COUNTY AVE. POULTRY FARM, Texarkana, Arkansas



First Cockerel, Chicago.

KEELER'S VIGOROUS WHITE WYANDOTTES

The Aristocrats of the White Wyandotte World
Won five firsts at Chicago, 1916

Special for February and March—500 large vigorous fully developed cockerels bred from my first, second, third and fourth cockerels and first, second and fourth cocks, Chicago, 1916. Price \$5.00, \$8.00, \$10.00, \$15.00 and \$25.00 each. Few of the very best of the choicest of breeding \$35.00 and \$50.00 each. Also cocks, trios and pens of the

WORLDS GREATEST STRAIN

Before you buy a single White Wyandotte, send for my large new instructive 1917 catalogue and mating list, giving the full history of my birds. A winning and breeding record of 23 years will convince you that I not only have birds that will win in any show room, but also fill the egg basket. Some of my birds laying as high as 265 eggs a year, and my prize winning females are selected from among these layers.

EGGS! EGGS! EGGS! EGGS! EGGS! EGGS!

The pens that will produce the 1917-18 winners, mated December 15, I am in a position to furnish you eggs from the sixteen best matings in America. The best birds reared in the past three years are mated in these pens. My 1917 Catalogue and Mating List of America's finest White Wyandottes now ready. Send for your copy today. Eggs \$5.00 per 15; \$9.00 per 30; \$14.00 per 50; \$25.00 per 100. A limited number will be spared from special matings at \$10.00 and \$15.00 per 15. State wants plainly and address:

CHAS. V. KEELER,

R. F. D., No. 22

Winamac, Indiana

DISPERSAL SALE OF MY PRIZE WINNING S. C. WHITE LEGHORNS



Including winners at Madison Square Garden, Allentown, Memphis, Chattanooga, Kentucky State Fair, Richmond, Ohio Falls Fanciers Association and other shows. These birds are my selected breeders. They include 1st and 5th young pens, 3d hen, champion cockerel of show, Tri-State Fair, 1915; 2d and 4th pens, 2d and 5th hens, 2d cock, Chattanooga, 1915; champion, 1915 Kentucky State Fair pullet; 1-4 pullets, 3-5 hens, 2d cock, 3d pen, O. F. F. A., 1915; champion pullets of Kentucky State Fair Shows, 1915-1916; 2d hen, Madison Square Garden; 1-2-4 cockerel, 1st cock, 1-3-4 hens, 2-3-4 pullets, 1-2 pens, Richmond, 1916. At Ohio Falls Fanciers Association in 1917, I won 1-2-3-5 cockerels, 1-2-3-5 hens, 2-4 pullets, 1-3 old pens, 1st young pen. Won champion cockerel, champion cock, champion pen of show, defeating some celebrated winners, among them 1st Chicago 1915 cockerel. Totally I will sell sixty hens, thirty pullets, four cocks, fifteen cockerels. I will sell them in lots of ten or more at five dollars each. For quick sale I will accept first certified check for three hundred dollars. These birds are guaranteed as represented. Reference, Fayette National Bank, Lexington, Ky.

Blue Grass White Leghorn Farm,

Dr. W. BARROW,

148 Market St., Lexington, Ky.

great poultry loving and poultry raising South, we feel sure that they will continue to improve the "old Hen" from time to time and continue to show the world that the South can and will keep at the front.

We would be glad to hear from other readers of this department giving their experience as Mr. J. R. Brown did last month. These articles are of interest to other poultrymen and we hope that others of you will send along your experiences along the lines of poultry feeding, chick raising, incubator experiences or anything that you feel would be of interest to fellow poultrymen. Let your letters come along.

We do not know whether or not there was ever held a show that was perfect, yet we believe that the Wilson, N. C., show comes about as near that as any poultry show held in the South. We have never heard anything but praise from exhibitors at this show and any show that can please everybody is doing a-plenty. If you have ever shown your birds at Wilson you will be pretty sure to do so again and we want to congratulate the "boys" at Wilson for the manner in which they do things, and we hope that other associations will try to follow in the footsteps of this bunch. They are a game lot all the way around and we admire them.

Don't forget that new coal-burning colony brooder that you need this season. There is nothing like it for raising chicks. Really we believe that they are twenty-five years ahead of all other brooding fixtures, and we feel sure that any man who is going to raise many chicks this spring could well afford to buy one at even twice the price that they are selling for, and make money in the end. Ask the man who owns one.

Free Poultry Book.

The Geo. H. Lee Company, Omaha, Neb., have gotten out some valuable books on poultry and any of them will be sent to the readers of the Industrious Hen if you will just mention this paper when writing, and enclose one cent for each book to cover cost of mailing and postage. The books contain information and helpful suggestions covering every branch of the poultry industry. There are five books in all, entitled, "Care of Baby Chicks," "Secrets of Success with Chickens," "All About Eggs," "Pointers for Summer and Fall," "Common Sense Chicken Talk." By enclosing five one-cent stamps you can get all five books by return mail. They will be worth dollars to you.

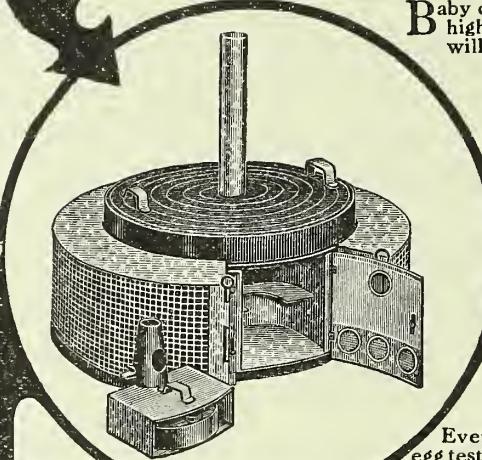
Ridge Spring Poultry Farm.

The Ridge Spring Poultry Farm, Rineyville, Ky., breeders of Single Comb White Orpingtons, made the fol-

Protects You From Loss

Safe - Convenient - Economical

Baby chicks are even more valuable to you than ever—these high-price days. You can not afford to lose one—and you will not if you use this



Write for Catalogue

Oakes Economy Brooder Hover

"One of the best 'chick-savers' I have ever used," says U. R. Fisher of Hope, Ind. "Out of 147 chicks not one was sick or died," writes Albert Hass of Louisville, Ky.

The ECONOMY is all steel with all parts seamed or welded together—light, strong durable and is guaranteed to give satisfaction in every respect. Can be used anywhere, as it stands on a level floor—no false floor or platform necessary.

Made in Two Sizes:	Without Cage With Cage
No. 1—18-in. Heating drum....	\$4.00 \$5.90
No. 2—22-in. Heating drum....	6.00 8.00

New Catalog Ready

Everything for profitable raising; feeders, fonts, hoppers, egg testers; specialties and repairs for incubators and brooders.

The Oakes Mfg. Co., Dept. IH
Makers of Everything for the Poultry Raiser
Factory and Home Office, Tipton, Ind. Eastern Branch, 303 Pearl St., New York

WHY CHICKS DIE IN THE SHELL

We want to tell you how to prevent chicks from dying in the shell just at hatching time; how to save them from White Diarrhoea or Bowel Trouble; how to build the best Home-made Brooder in the world from an ordinary box, or change your old one. Send us names and addresses of 5 to 8 of your friends that use incubators; we will send you this information absolutely free. Send names today—it may save you hundreds of dollars this year.

RAISALL REMEDY COMPANY,

BLACKWELL, OKLAHOMA

PARKER'S RHODE ISLAND REDS

B. D. PARKER,
Sanders, Kentucky

Win again at the LOUISVILLE SHOW in one of the strongest classes ever shown in the South. (See winnings elsewhere in this issue.) A few good exhibition cockerels at reasonable prices. Also some good breeding cockerels from \$5 up. Eggs from three extra strong matings at \$5 per 15. Write for mating list. Remember, I guarantee satisfaction.

lowing win at two recent shows:

Elizabethtown—They won all firsts, seconds and thirds in single classes. The best female in the show and second best pen in the entire show, and silver cup for best display.

Kentucky State Fair—They won first cock, first, second and third hens, first cockerel, first and second pullet and first and second pens, and \$10.00 special for the best display.

They now have mated ten pens, the best they have ever had on their farm. Write for mating list.

Ninnis S. C. White Leghorns.

James R. Ninnis, Charlotte, N. C., breeder of Queen strain of Single Comb White Leghorns, has been very successful in the show room this season. At Wilson, N. C., show, 1916, he won first cock in a class of nine; first and fourth cockerel with fifteen in class; first, second, third and fourth hens in a class of seventeen, and first, second, fourth and fifth pullet with thirty-six in class; also first pen in a class of three. He also made as good a showing in the recent Charlotte, N. C., and Norfolk, Va., shows. His pens are now mated and he is in a position to fill your orders promptly. Look up his advertisement in this issue of the Industrious Hen.

SOUTHLAND STRAIN

S. C. Brown Leghorns

No Finer Stock to be Had

Eggs \$2 per Setting

All from stock yielding over 200 eggs per year

I. B. MERRIAM, Jr.,

Chattanooga, Tenn.

No Stock for Sale

Parker's Reds.

At the recent Louisville show, B. D. Parker, Sanders, Ky., won the Rhode Island Red Club cup for the best display of Single Comb Rhode Island Reds. Mr. Parker's advertisement appears in this issue and if our readers are interested in Reds we can recommend him and his birds.

TURKEY & WATER FOWL DEPARTMENT

This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

Selling and Buying Turkeys by Correspondence.

CORRESPONDENCE in the poultry line is usually brought about through the medium of advertising. The more one advertises, if in periodicals of large and reliable circulation, the more correspondence he or she will have with the outside world.

In advertising, as well as individual letters, one should be very careful not to say more than he can stand back of just in order to catch the eye of the public; because if after reading



Claire C. Worthington, Evansville, Ind., breeder of White Rocks exclusively. See ad in this issue. Mr. Worthington is also Secretary of the Evansville Poultry Show.

the advertisement they write a letter of inquiry, we must answer promptly in regard to what we have on hand and let it correspond with the ad which the party has read. In this answer give all the description wanted, being careful not to overrate or overweigh. Then, right on the back of the letter of inquiry, make a synopsis of the contents of answer and put on file, so that you can refer to same should the party place an order with you. Again on morning or afternoon when birds are crated, reference to synopsis should be made. Weights and description should harmonize with former letter, although in shipping any distance turkeys will lose in

weight, even if food is lying in the coop. However, if cared for on arrival they will in a short time regain their former weight. They usually fall off from two to four pounds, according to distance or time in transit.

Another thing to consider about weighing is time of day weighed. A bird, after a whole day's ramble, weighs from one pound to one and a half pounds more in the evening than morning. Turkeys rarely drink in a coop and never while on the move, although I always try to have a tin cup tacked in end of coop, for if they should have an unavoidable delay en route, water could be easily gotten to them. I have shipped to California, Montana, Canada, Maine, Florida and almost every section in the United States and have never lost but two turkeys in shipment. One of those went to Virginia and was never found—the other was shipped to Louisiana and was found dead in Memphis. In both cases the Southern Express Co. paid full valuation as marked on shipping crate.

Now that we have given our ideas as to how the advertiser should direct his correspondence, there is another side to look after. The customer should not feel that his own money is worth more than that of anyone else, and accordingly, on the arrival of the bird, immediately decide that it is not as good as he expected to get for his "big money." In cases like this the customer should wait a few days; let the bird get straightened out; get the letter of description and compare it with the bird. If it

does not come up to the representation, write the party a letter stating the fact that the bird has been misrepresented.

I believe any fair minded person would rectify the difference, but many times it is because possibly we do not know the points of value of the breeding or of certain marks of plumage. One should not consider a bird cheap because he gets him for a few dollars. If he means to use him for breeding purposes, the very best is none too good, as like will produce like and blood will tell. A tom that heads a flock adds more than half to the offspring, both in size and plumage. I have been advertising and writing letters in answer to same for twenty-five years and it has been only in a few instances there has been any misunderstanding between me and my customers. My rule is to represent a specimen just as it is. By so doing I hold my old customers and make many new ones.

Champion White Wyandottes



Six grand pens now mated, including first prize pen at Georgia State Fair, 1916. Best eggs \$5 per 15. Eggs from other good matings \$1.50, \$2, \$3. Mating list. White Dotte Poultry Yards, Frank Hamrick, Proprietor, Box B-144, Shelby, N. C.

MAMMOTH BRONZE TURKEYS FOR SALE



Do you want stock from the largest and finest in the South, from prize winners at Madison Square Garden, World's Fair, Nashville and many other great shows? Two flocks, unrelated, to select from. Also Barred Rocks, stock and eggs. Write at once to

MRS. J. C. SHOFNER
Route 1
Mulberry, Tenn.

S. C. WHITE LEGHORNS

WINNERS AT EVANSTON—SILVER CUP FOR SECOND BEST DISPLAY. Cup for best display in Mediterranean class. First cock, 1st hen, 1st and 3d pen, 3d and 4th pullet and 4th cockerel. Eggs for sale in season. Cockerels for sale. Write at once. W. W. JONES

ROCKPORT, INDIANA

S. C. WHITE ORPINGTONS

We made a clean sweep at both recent shows where we exhibited, winning all firsts. Our new mating list is out and gives prices of eggs. A few good cockerels left. Write at once for prices. SATISFACTION GUARANTEED. RIDGE SPRING POULTRY FARM, Mrs. R. L. Willmott, Supt., Rineyville, Kentucky

Single Comb Rhode Island Reds

Trapnested 200-egg record. Type and color a specialty. Eggs guaranteed. Prices \$2.00, \$3.00 and \$5.00 per fifteen. If you want some high-class Reds that will win in the show room and fill the egg basket, order your eggs from me.

MRS. B. W. PEARCE,

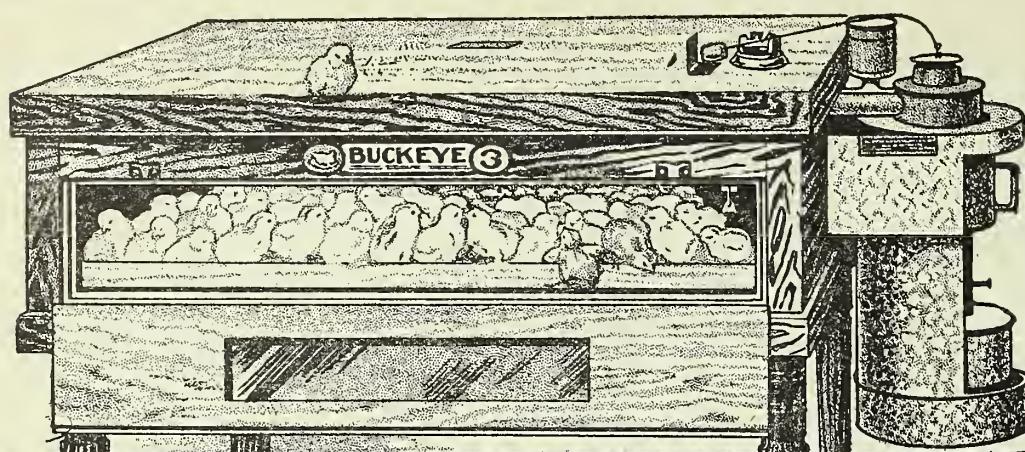
CENTER, TEXAS

White Plymouth Rocks

Best laying strain in the country. All my breeding pens are headed by males from hens with record of more than 200 eggs in one year. Hatching eggs from these pens \$2.00 per setting of 15. \$10.00 per hundred. I have some cockerels 8 months old from hens with trap-nest record of more than 200 eggs in one year. Price \$6.00 each. Order from this ad. I will treat you right.

F. B. ANTHONY,

Benevolence, Georgia



BUCKEYE

The Best Incubator Made

*"Built up to a standard
--not down to a price"*

You'll find it in the plants of the biggest breeders in the country--and you'll find it in the piano box coops of beginners just starting. Endorsed by all Agricultural Colleges and Experiment Stations.

Anybody can hatch chicks with a Buckeye. It operates automatically and can't go wrong. You get a chick from every hatchable egg.

That's why poultrymen *think* "Buckeye" when they say "Incubator."

Look at This Guarantee

The Buckeye Incubator is **guaranteed** to hatch more chicks and better chickens than any other incubator, regardless of price, or we take it back.

The fame of this guarantee has traveled from sea to sea. Over half a million "Buckeyes" are in use by big and little breeders and over 2000 leading dealers sell it.

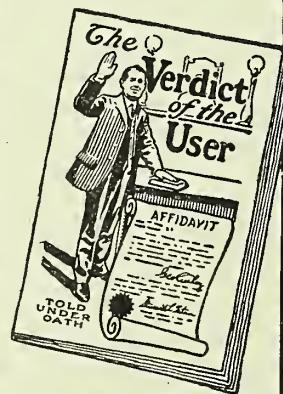
Agents Wanted

Some very
choice territory
open.

Write quick

What they say from experience is to be found in our book--"The Verdict of the User"--backed by affidavit.

A copy of this and our catalog can be had free from our dealer, or drop us a postal to send you our "Incubator" books.



The Buckeye Incubator Co.
566 Euclid Avenue Springfield, Ohio

Meeting of the Kentucky Poultry Breeders Association.

A MEETING of the Kentucky Poultry Breeders Association (late Kentucky Branch, American Poultry Association) was held Friday afternoon, January 12, 1917, at the show of the Falls City Fanciers Association, held during the same week at the Armory, Louisville, Ky. There were present a large and enthusiastic representation of the Kentucky members of the A. P. A.

During the course of the meeting it was moved, seconded and carried that the Industrious Hen be appointed the official organ of the Kentucky Poultry Breeders Association. A motion was also carried to the effect that the annual dues of the association be seventy-five cents per annum, and that same become due on the first of January each year.

A committee was appointed consisting of Eugene Strauss, President Loomis and Secretary Way, to draft and put into effect a constitution and by-laws for the government of this organization, and that the same be published in the official organ. The constitution and by-laws follow:

Constitution and By-Laws Kentucky Poultry Breeders Association.

ARTICLE I.

Name.—This organization shall be known as the "Kentucky Poultry Breeders Association."

ARTICLE II.

Object.—This association is organized in accordance with the constitution of the American Poultry Association, to assist such association in fostering the poultry industry in Kentucky by every means possible. To participate with the State Board of Agriculture in forwarding the poultry outlook.

ARTICLE III.

Membership.—Any member of the American Poultry Association by residing in Kentucky becomes automatically a member of the Kentucky Poultry Breeders Association.

ARTICLE IV.

Annual Meeting.—The regular annual meeting of this association will be held on the grounds of the Kentucky State Fair Association, held at Louisville. Such annual meeting will convene at 3 p. m. of the Wednesday of the State Fair week at the place provided by the fair management for conventions.

ARTICLE V.

Special Meetings.—Special meetings of this association may be held at poultry shows at various cities through the State to be called by the president upon written request of ten members in good standing who will pledge themselves to be present at such special meeting.

ARTICLE VI.

Dues.—It being necessary to provide money for necessary expenses of postage, stationery, printing, etc., the annual dues will be seventy-five (75c) cents per member, payable on January 1 of each year.

ARTICLE VII.

Quorum.—The members in good standing shall constitute a quorum at any meeting of this association.

ARTICLE VIII.

Officers.—The officers of this association shall consist of president, first vice president, second vice president, secretary and treasurer.

ARTICLE IX.

Executive Committee.—The executive committee of this association shall be the five officers named in Article VIII and four other members, two to be elected each year and the term of two expire each year.

ARTICLE X.

Election.—Officers and two executive members shall be elected each year by ballot as follows: During the first week of October, each year, the election commissioner (appointed by executive committee) shall send out notice to each member of the association requesting nominations. Such nominations to be returnable on or before noon of October 15. During the first week of November the election commissioner shall send to each member ballots containing the names of the three receiving the highest number of votes for each office and the eight highest for members of the executive committee. Ballots to be returned to election commissioner by noon of November 15. On such date he will count and tabulate the results and mail his report and all ballots to the elected secretary.

ARTICLE XI.

Amendments.—The constitution and by-laws may be amended by a two-thirds vote of the members present at the annual meeting. A copy of proposed change having been filed with the secretary sixty days prior to such annual meeting and the secretary shall notify each member thirty days before such annual meeting.

By-Laws.

ARTICLE I.

Section 1. Duties of Officers.—The president shall preside at all meetings of the association or executive committee. He shall countersign all checks issued by the treasurer. In the absence of the president, the first and second vice presidents shall perform such duties.

Sec. 2. The secretary shall keep the minutes of all association and executive committee, conduct all correspondence, notify members of all regular and special meetings and notify members of contemplated changes in constitution and by-laws, and shall be allowed expenses for postage, printing, etc.

Sec. 3. The treasurer shall keep the financial accounts of the association, shall pay all bills, when approved by president and secretary.

ARTICLE II.

Audit Committee.—The president shall name an audit committee of three who shall audit the books and accounts of the secretary and treasurer and turn in report of findings at annual meeting.

ARTICLE III.

Order of Business at Annual Meeting:

1. Roll call.
2. Reading of minutes by secretary.
3. Secretary's report.
4. Treasurer's report.
5. Audit committee's report.
6. Election commissioner's report.
7. Unfinished business.
8. New business.

White Hill White Leghorns.

A. J. Lawson, proprietor of White Hill Poultry Farm, R. F. D. No. 4, Cleveland, Tenn., has proved the great winning power of his strain of White Leghorns again. He entered seven birds at the big Gold Special Poultry Show, at Oklahoma City, Okla., January 15-20, 1917, and won as follows in the strongest competition in the West: Second cock, first and fourth hen, first cockerel, first, third and fifth pullet, first pen. Look up his ad and write him. He has the best exhibition mating for 1917 he has had in all his sixteen years breeding.

Oakes Issues 25th Annual Catalogue.

The Oakes Mfg. Co., makers of incubator, brooder and poultry supplies, at Tipton, Ind., have just issued catalog No. 25. This marks a quarter of a century of the making of quality goods by this house, beginning with the Hydro Safety Lamp twenty-five years ago, in a little frame building. Today, in a modern factory, these people manufacture more than forty items of interest to the poultry raisers, all shown in their new forty-five page catalog.

HERE!
Write Your Own
"Money-Back"
Guarantee



On the greatest, most practical coal - burning brooder ever made. Self-feeding, self - regulating, everlasting. Broods 100 to 1000 chicks at a guaranteed cost of less than 6 cents a day. Used by over 10,000 big and little breeders. The

STANDARD COLONY BROODER

PATENTED

Will do anything any other brooder will do regardless of price, and do it better. You know what a good brooder ought to be and do. Just put that on paper and our dealer or ourselves will sign it and ship the brooder on thirty days' trial. If it doesn't come up to every claim we make, you get your money back without argument.

Beware of Imitations.

AGENTS WANTED Some good territory still open. An attractive proposition for the right man or firm.

Book of Proof—Free. Write for it or ask your dealer.

THE BUCKEYE INCUBATOR CO.

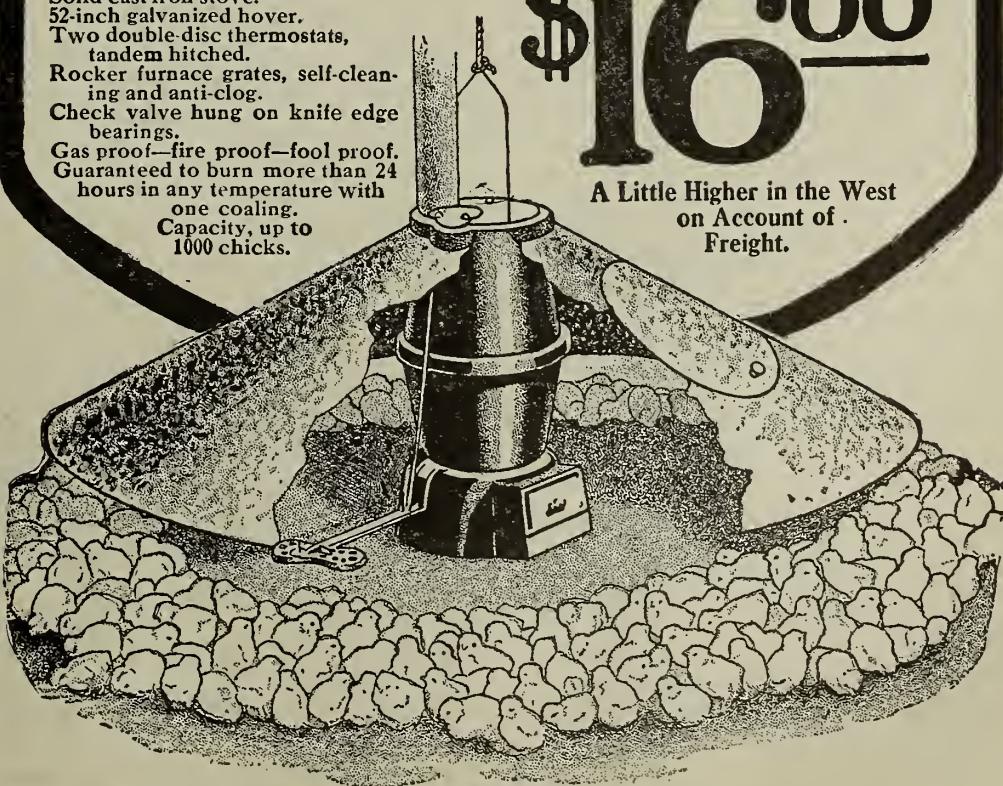
563 Euclid Avenue

Springfield, Ohio

SPECIFICATIONS.
Solid cast iron stove.
52-inch galvanized hover.
Two double-disc thermostats, tandem hitched.
Rocker furnace grates, self-cleaning and anti-clog.
Check valve hung on knife edge bearings.
Gas proof—fire proof—fool proof.
Guaranteed to burn more than 24 hours in any temperature with one coaling.
Capacity, up to 1000 chicks.

\$16.00

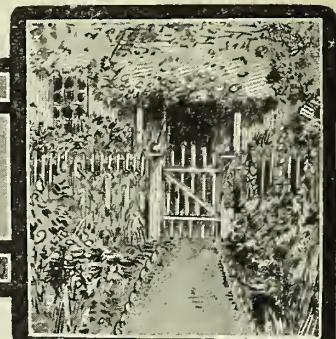
A Little Higher in the West
on Account of
Freight.





FARM AND GARDEN

Under this department we aim to give our readers the best possible news matter pertaining to the farm, garden and other agricultural interests in a condensed form each month. Poultry raisers are usually engaged in other forms of agriculture and we hope they will profit from this department each month. We will be glad to have our readers and subscribers give their experiences here each month.



Winter Rations for Beef Cattle.

ONE of the important problems of the farmer at this season of the year is to provide means for carrying his stock and feeding cattle through the winter. A clear line of demarcation should be made between the feeding of stock and breeding cattle which require only maintenance rations, and the finishing of cattle for market, which requires heavy fattening rations. The following rations are suggestive as to how these different kinds of stock can be best carried through the winter or fed for market.

Yearling stock cattle:

10 lbs. corn silage,
10 lbs. corn stover,
or 15 lbs. corn silage with 1 lb. cottonseed meal,
or 10 lbs. corn stover and 5 lbs. hay.

For two-year-old cattle this amount should be increased about 50 per cent.

For finishing beef cattle the following rations can be used:

Two-year-old steers:

7 lbs. cottonseed meal,
25 lbs. corn silage,
5 lbs. corn stover,
or 7 lbs. cottonseed meal,
35 lbs. corn silage,
or 7 lbs. cottonseed meal,
20 lbs. corn silage,
10 lbs. cottonseed hulls.

In all cases the cottonseed meal should be mixed with the cottonseed hulls or corn silage, feeding the dry roughness by itself. The cottonseed meal should always be increased gradually from the beginning, in order to prevent digestive disorders. — North Carolina Experiment Station.

Missouri Butter Record.

The Missouri Agricultural College reports that twenty-nine and one-half pounds of butter in seven days is the record of Jessie Fobes Pietertje DeKol—167418, a Holstein cow owned by Ed. H. Witte, of Independence, Mo. This cow has just completed a seven-day record of 580 pounds of milk, containing 23.57 pounds of fat, which is equivalent to 29.46 pounds of 80 per cent butter. She supersedes Shadybrook Lady Fayne, owned by M. E. Moore & Co., of Cameron, Mo. Her record, made in December, 1913, was 519.4 pounds of milk, containing 19.616 pounds of fat, equivalent to 24.52 pounds of butter. These records were made under the supervision of the department of dairy husbandry, University of Missouri.

Lime Needed for Good Crops.

Everybody knows that practically every farm crop must have lime for one or more of three purposes: (1) the soil must be kept sweet; (2) the plant food in the soil must be made available and lime helps in this; and (3) the lime itself is used by the plants as a food.

Some soils already contain so much lime that it is not worth while to add more; but the Missouri Experiment Station has secured increased profits by liming on all the twenty different experiment fields located in twenty different counties on which it has conducted such tests during the last ten years. Estimating the crops at the average farm prices, limestone has already increased the average value of the crops \$5.80 per ton of lime applied and part of the lime is still in the soil where it will continue to do good for several years more. In these tests the

same crops were grown side by side on limed and unlimed plots every year, to be sure that they had exactly the same chances so far as soil, weather and other factors were concerned and that the only difference was that one series of plots received lime and the others did not.

Whether lime is needed and how much should be applied, of course, depends on how sour the soil is or how deficient it already is in lime. The experiment stations in various States are practically always glad to receive samples of soil, test them for lime, and advise as to treatment. After a sour soil has been sweetened with the proper amount, about one ton every six years thereafter should be applied.

Even limestone soils may need applications of lime after they have been farmed for a long time, especially if the region is one of abundant rainfall. Lime is much more quickly dissolved from the soil than other rock materials, and those who live in limestone countries know how full the well and spring waters are of this material and what large caves are dissolved out of even the solid limestone. So even those who are most fortunate in living in limestone regions need to watch the soil. After years of cultivation, test it occasionally with litmus or in some other way to see whether it is becoming acid. If clover and alfalfa no longer do as well as they once did, and the soil seems sad, a half pint of it, made up of soil from several places in the field, should be sent to an experiment station for tests.

In the middle West and in Virginia, ground limestone usually sells for a dollar a ton, or less, at the crusher, and being much cheaper than either lump lime or slack lime, it gives more economical results. If it is to be hauled far, a very finely ground product, at least 90 per cent pure, should be demanded. Sometimes a large farm that has outcrops of limestone rock can afford to put in a grinder of its own at a cost of \$750; but as a twelve to eighteen horse power engine is also needed, the expense is usually too great for any one farmer and can best be handled by a group of men.

Cheap Breeding Stock is Expensive.

The unprecedented demand for purebred live stock will sooner or later result in the marketing of many animals eligible to registry, which are inferior as individuals and which may prove poor breeders. S. T. Simpson, of the Missouri College of Agriculture, reminds buyers that the present high values afford all the better reason for investing in only good breeding animals, even though they appear high in price. In this way only can the pres-

ent high standard be maintained and the scrub purebred finally eliminated.

The use of the registered scrub can but discourage the cause of purebred sires and better live stock. The breeder who markets such individuals will ultimately suffer the criticism of those who know good live stock, and finally be discriminated against in buying and selling. The purchaser of the scrub purebred can breed nothing but inferior individuals so long as he persists in buying the pedigree with no regard for individual merit.

The purebred sire is the best means

FOR THE SOUTHERN FARMER



The South offers the farmer, stock raiser, dairyman, fruit and truck grower every opportunity for the best paying farms and orchards to be found in the United States.

The climatic advantages, the soils responsive to proper handling, the wide variety of profitable crops and the excellent markets at the farmers command favor him more than in any other section.

The Industrial and Agricultural Department of the Southern Railway and Associated Lines is maintained to build up both the agricultural and industrial interests of the territory these lines serve. Industrial and Immigration Agents co-operate with the people of the territory in its proper development.

The Agricultural, Farm Demonstration, Live Stock, Dairy, Poultry and Horticultural Agents will help the new settler or the farmer already located in solving the problems of proper crops, soil treatment, methods of cultivation and other matters relating to crop improvement and crop making.

Market Agents will assist farmers in finding the best markets for their products.

The South is second to no region as a field for profitable farming, no other part of the country has so fine opportunities for the farmer. No Southern man need look beyond his own section for all the advantages and opportunities he needs for the most successful farming.

M. V. RICHARDS
Industrial and Agricultural Commissioner
ROOM 51, WASHINGTON, D. C.

CORRUGATED HATCHING EGG CARRIERS

We have the finest hatching egg carriers made. Guaranteed not to break an egg. The finest make on the market for shipping hatching eggs by parcel post or express. Send 20c for sample 15 egg size case. Free catalog.

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“AUTOCRAT” BARRED PLYMOUTH ROCKS

My birds have won many first prizes in the strongest of competition. I am ready to fill your egg orders and guarantee satisfaction. Get my Mating List

C. W. STEPHENS

GAUSE, TEXAS

of live stock improvement. Whether good or bad, he is half the herd and sometimes more. For this reason the selection of the sire demands equally as much attention as the entire group of females, and it is far more important to have a good sire, both in individuality and breeding, than to have one or two good females. If sacrifices must be made, let them occur in the selection of the females. Better still, let every one be a good one, both in breeding and individual excellence.

A Bulletin on Broom Corn.

Every farmer interested in the growing of broom corn, either for his own use or for market, should write to the Department of Agriculture, Washington, D. C., for Farmers' Bulletin No. 768.

Tomatoes.

As usual, the seedsmen will be offering new tomatoes and claiming them to be the earliest ever. I believe that we have reached the limit in earliness in the tomato, and while there may be new ones introduced that have especially good qualities, we will never get any earlier than Earliana and Bonny Best. Still, I always test the new ones lightly and try to find out what they are worth.

For the earliest I sow some seed in shallow boxes in the greenhouse the last of January. Transplant them to other boxes as soon as large enough to handle and then set them in two and one-half inch pots and keep them in these until the little pots are perfectly crowded with roots, and the plants somewhat stunted. Then in March they are set in a cold frame four inches apart each way, and are exposed to the air whenever it is favorable, so that I get them tough and strong with stems of purple color instead of green. I can then set them out in mid-April here and protect them with plant covers if frost threatens. In this way I get the first ripe tomatoes from 10th to 12th of June. Of course, this is a lot of trouble, but one always likes to get ahead of his neighbors with these things.

Farmers Need Simple Office Equipment.

The average farmer needs a certain amount of office equipment, but this need not necessarily be expensive nor elaborate. Among the conveniences needed by the business farmer is a roll-top desk in which unfinished work may be left and the desk closed. With the old-fashioned hinged lid desk all work had to be cleared away before the desk could be closed.

The drawers of such a desk should be utilized for filing away farm letters, catalogs, etc. Some desks are even provided with a small iron fire-proof safe in one side of the lower compartments for the safety of valuable papers which sometimes must be kept temporarily on the farm. Such a desk is always kept in stock by the average local dealer.—Clemson College Bulletin.

Why the Cattle Tick Must Go.

Is blood in your cows and steers going into milk and meat or into ticks? The loss in weight in Southern cattle is evident from the fact that few ticky cattle are fat, practically all being in poor condition when sold at the stock yards. A ticky steer brings from \$5.00 to \$10.00 less than a tick-free steer of the same weight because of the quarantine restrictions and the difference in quality.

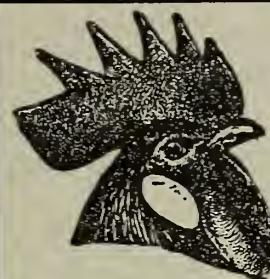
Seed ticks hatch out in the ground, then climb up the nearest grass blade or fence post and bunch near the top until they get a chance to get on a cow or steer. They begin drawing blood at once and, although they are so small at this stage they can scarcely be seen, they nevertheless can give the animal tick fever. In from twenty-one to sixty-six days this small tick sucks enough blood to become one-half inch in length.

S. C. White and Brown Leghorns, S. C. Rhode Island Reds and Black Minorcas

My breeding pens are now mated and I can furnish you eggs or baby chicks at reasonable prices that will please you. Also some show and breeding stock for sale. SATISFACTION GUARANTEED OR MONEY REFUNDED.

J. R. SKAGGS,

Magnolia, Kentucky

**S. C. BROWN LEGHORNS**

I have some splendid birds to offer you in cocks, hens, cockerels and pullets at reasonable prices. I guarantee satisfaction with every sale or a refund of your money. Can furnish you pens mated for best results, either old or young. Egg orders booked for later delivery. Circular free. Address

M. S. COPELAND,

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**BUY A WITTE High-Grade Engine**

I can ship immediately—any size or style—WITTE Kerosene or Gasoline Engine—2 to 22 H.P., Stationary, Portable or Saw-rig—all ready to run on arrival. Why wait 6 to 8 weeks, or longer, when I can ship you a better engine now! Today!!—so that it will be earning a part of its cost. Cash or Easy Payments. Immediate shipment proves superior factory service. My Free Book, "How To Judge Engines," tells why I save you \$25 to \$100, and sell you a better engine. Yours for a post card. ED. H. WITTE.

WITTE ENGINE WORKS,
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DOGS, CATS, CHICKENS
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READY TO FEED
ASK YOUR SUPPLY DEALER

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Farm Loan Banks.

United States Farm Loan Banks are to be established at St. Louis, Mo.; Springfield, Mass.; Baltimore, Md.; Columbus, S. C.; New Orleans, La.; Houston, Tex.; Louisville, Ky.; St. Paul, Minn.; Omaha, Neb.; Wichita, Kas.; Spokane, Wash., and Berkeley, Calif.

Free Hog Book.

If you will write Geo. H. Lee Company, of Omaha, Neb., and mention the Industrious Hen, they will gladly send you free a copy of their new book, "Mostly About Pork." It contains valuable information and we want all of our readers to have a copy. Just say, "Send me your book, 'Mostly About Pork,'" on a postcard and you will get a free copy by return mail.

Dixie Quality Strain White Wyandottes.

Carrington Jones, Buntyn, Tenn., in one of the strongest classes of White Wyandottes ever shown at the Coliseum show, at Chicago, won second and third hen, third pullet, fourth old hen and fourth young hen. At the Indiana State Fair, 1916, he won first cockerel, first hen, second cock and third pullet. Mr. Jones informs us that he has his pens mated and ready to ship eggs from these winners. Look up his advertisement in this issue and write him at once for mating list.

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Save Big Money on Poultry Fence! Get my big new Book Free! 150 Styles. Also Gates and Steel Posts. Direct from factory, freight prepaid.

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Brown Poultry Fence outlasts chicken netting 5 times, yet costs no more. Heavy DOUBLE GALVANIZED Wire close spaced. No top or bottom boards needed. Get Free Book and Sample to test.

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16 1/2 CENTS A ROD for
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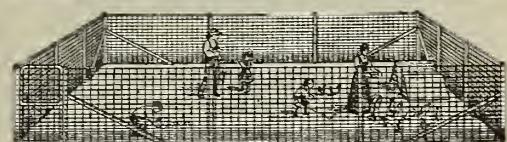
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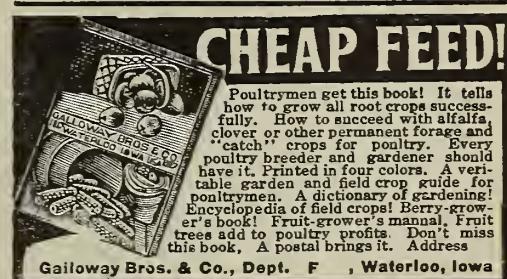
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Box 126 MORTON, ILLS.

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All Steel. Comes Complete--Fence, Posts, Gate--Everything ready to put in place. Easy to put up and take down. Any size wanted. **SOLD ON A SIXTY DAY'S FREE TRIAL.**

The prettiest and most durable yard you can buy. Send for Catalog and Low, Direct Factory Prices. **MASON POULTRY FENCE CO.**, Box 48 LEESBURG, O.

**CHEAP FEED!**

Poultrymen get this book! It tells how to grow all root crops successfully. How to succeed in half-clad or other permanent forage and "catch" crops for poultry. Every poultry breeder and gardener should have it. Printed in four colors. A valuable garden and field crop guide for poultrymen. A dictionary of gardening! Encyclopedia of field crops! Berry-grower's book! Fruit-grower's manual. Fruit trees add to poultry profits. Don't miss this book. A postal brings it. Address

Galloway Bros. & Co., Dept. F, Waterloo, Iowa

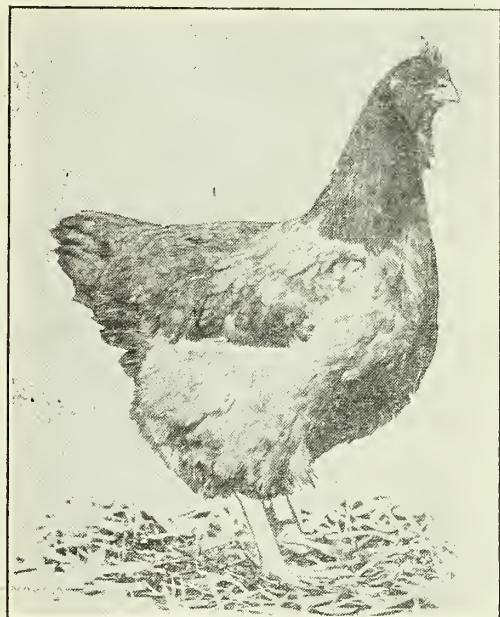
Crown Bone Cutter

ASIEST run, Fastest Cutter, Strong, Substantial build. Bone scrap means more eggs, higher percentage fertility. Own a "Crown" Cutter and have fresh bone for every feed. Dry Bone, Grain and Shell Mills, Hand and Power sizes. Free illus. catalogue. Est. 36 years. **WILSON BROS.**, Dept. 16 Easton, Pa.

SOUTHWESTERN NOTES AND COMMENTS

By MRS. J. F. VERMILLION, Rusk, Texas.

JACKSONVILLE, Texas, our sister town, held a good poultry show the first week in January. Mr. Walter Burton, of Arlington, Texas, placed the ribbons. Jacksonville is a splendid center for a show, being in the very heart of our great east Texas country, which is known throughout the State as the garden spot of Texas. This section has long led all others in producing fruit and vegetables for the Northern and Eastern markets and there is no reason why we should not also supply the North and East with fancy poultry. This writer has started into the poultry work of 1917 with a determination to produce winners for the big Northern shows. We made a big



First Buff Orpington Pullet, Louisville, 1917. Bred and owned by S. M. Harbison, Danville, Ky.

winning at Kansas City, but that is our native town and it only seemed natural that we should be exhibiting there. Then we made a big winning at Memphis, Tenn., this season, but we have set the Chicago Coliseum Show as our goal for 1917 and we are firm in our belief that we can do anything in this world, if we just try hard enough to accomplish it.

Now that the season for shipping eggs for hatching is at its height, I want to touch lightly on the subject of the responsibility and liability of the purchaser of eggs. Various poultry papers throughout the country have inaugurated a plan whereby they guarantee to protect the purchaser if he mentions that special publication in his first correspondence with the breeder or shipper. This is a splendid move and will no doubt result in much good, but the same papers should be willing to protect the shipper from false reports, or rather from the failure to report true conditions regarding a hatch, or the outcome of rearing chicks from eggs received. Every breeder of fancy poultry who

has made a success of his or her undertaking of course each season received dozens and dozens of letters from customers who are more than satisfied and have nothing but words of praise for the shipper; and then there are the many customers who had good results from eggs but do not go to the trouble to write us of it. But on the other hand, every breeder has an occasional customer who refuses to be satisfied in spite of all we can do to try to satisfy them, and the worst part of it is, the fault is their own, but they either cannot or will not see it that way. Eggs received for hatching are often placed under hens where laying hens can disturb them, or again, are placed under hens infested with lice or mites and a good result cannot be obtained. Where a number of hens are setting in the same compartment oftentimes two hens will go on the same nest, leaving one nest of eggs without a hen and many other such occurrences that receivers of eggs do not explain when making complaints—to say nothing of eggs that are placed in incubators and either baked or chilled. We ourselves have always made it a rule to satisfy a customer's first complaint, it mattered not how unreasonable it may have been, but sometimes even then they want you to raise the chicks for them after they are hatched or rather after they have let them drag through all the dew and red bugs, lice, mites and sore-head, that they can possibly come in contact with, and when fall comes they will write you that they only

hatched twelve and only raised three of them, and they have white feathers, when you represented them to be "full blood," and that they are justly entitled to a pen of birds from your yards giving a description of the pen you should send them, and this description usually calls for a pen of birds that would win at Madison Square Garden. But notwithstanding all this, we love every single department of the fancy poultry business.

Our friend, Mr. Roy McDonald, of Dalhart, Texas, Barred Rock breeder, writes that he won sweepstakes pen at the big Wichita Falls (Texas) Show. At the Texas State Fair, Dallas, which was the State Barred Rock show, Mr. McDonald made a fine winning in singles and pens, also won first parti-colored flock.

We have a report from the show recently held at Stamford, Texas. This was the official State White Wyandotte show. The competition in Texas among White Wyandotte breeders is extremely close. Mr. W. J. Jennings, of Midlothian, Texas, made a little the best winning at this, their State show, in singles and pens and also won best solid colored pen in the show. Mr. R. L. Penick, of Stamford, Texas, won best parti-colored pen on his S. C. Rhode Island Reds and best display in entire show on his White Plymouth Rocks. Mrs. D. H. Jeffries, of Abilene, Texas, won first cock in the Red class. Mr. H. F. Jackson, of Stamford, made a clean sweep winning, including a \$25 silver cup on his Buff Orpingtons.

GLORY-ANNA S. C. WHITE LEGHORNS



Eggs for hatching from pen headed by 1st Chicago cock Dec., 1915, \$5.00 per setting. Can spare only a limited number of eggs from this pen. Other pens described in my free mating list.

GLORY-ANNA POULTRY YARDS
GEO. E. SCHULZ, Prop.:
549 S. 4th St., Louisville, Ky.

GARY'S WHITE WYANDOTTES

MRS. SABE GARY,
Mayfield, Kentucky

My birds won the past year at Kentucky State Fair, Paducah, Mayfield, Fulton, in strong competition. My breeding pens are now mated and we can ship you eggs at reasonable prices and guarantee satisfaction. Also let me quote you price on stock. Have some nice birds left at reduced price for quick sale.

BRATTON'S S. C. RHODE ISLAND REDS

Made another great winning at the Big Armory Show, Louisville, January 8-13, 1917, in strong competition. My birds are also winners at Indianapolis, Terre Haute, Fort Wayne and other large shows. Let me quote you price on breeding and exhibition birds, also eggs for hatching from my splendid matings this season. My prices are reasonable and I guarantee satisfaction.

R. L. BRATTON, New Ross, Indiana

EGGS FOR HATCHING

From real dark Single Comb Rhode Island Reds, Barred Rocks, White and Brown Leghorns. First prize, best laying strains. For show, breeding and utility stock, write:

SINKING CREEK POULTRY FARM, ADAIRVILLE, KENTUCKY

HARMON'S S. C. WHITE LEGHORNS

We are prepared to furnish Leghorns as good as we ever produced at the same prices as last season. Taking time by the forelock, we placed our orders for feed early in the season in sufficient quantities to maintain the present flock and also the coming 1917 flock, which is yet unhatched. I publish no records that are not officially made—either egg laying or show records. Every bird on my farm having a record has been reared by me and not purchased elsewhere. There is a difference.

PRICES—Yard No. 1, containing my official over 200-egg hens, a limited number of eggs, \$5.00 per setting straight. Yards Nos. 2 and 3, special exhibition matings, \$5.00 per setting; three for \$10.00. Yards Nos. 4 and 5, \$3.00 per setting; three settings for \$8.00. Regular matings \$1.50 per setting; three for \$4.00; \$7.00 per hundred; 500 lots \$30.00; 1,000, \$50.00. We guarantee satisfaction and 90 per cent fertility. Stock a matter of correspondence. Order direct from this ad, or write me. You will have no regrets in the future if you purchase from us.

B. R. HARMON,

400½ South St. Room No. 1, German American Bank.

Springfield, Missouri

Just say you saw it in THE INDUSTRIOUS HEN.

Awards at Louisville Armory Show.

BARRED PLYMOUTH ROCKS—Hens: Chas. Koons 1; Pope & Pope 2-3; J. Gehring 4; C. F. Obermeier 5. Pullets: Pope & Pope 1-3-4; Chas. Koons 2; Frank Raidt 5. Cocks: Chas. Koons 1; Pope & Pope 2-3-5; C. F. Obermeier 4. Cockerels: Pope & Pope 1-3; C. F. Obermeier 2; Chas. Koons 4; Yewell & Sons 5. Hens: Pope & Pope 1-2-3; Chas. Koons 4. Pullets: Robt. L. Lips 1-2; Pope & Pope 3-4; Joe Gehring 5. Pens: Pope & Pope 1; C. F. Obermeier 2.

PULLET-BRED BARRED ROCKS—Cockerels: Pope & Pope 1-2; Robt. Lips 3. Cocks: Pope & Pope 1; C. J. Green 2. Hens: C. J. Green 3. Pen: Pope & Pope.

WHITE ROCKS—Cocks: O. W. Devericks 1; W. C. Thomason 2. Cockerels: W. C. Thomason 1; Henry Saam 2-3; C. C. Herron 4; O. W. Devericks 5. Hens: Henry Saam 1-4; O. W. Devericks 2-3; W. C. Thomason 5. Pullets: Henry Saam 1-3-4; O. W. Devericks 2; W. C. Thomason 5. Pens: O. W. Devericks 1; Henry Saam 2.

ROCKS (S. Penciled Part Col.)—Cockerel: C. F. Brown 1. Hens: C. F. Brown 1-2-3-4.

WHITE WYANDOTTES—Cocks: Thos. Hayden 1; M. G. Wells 2-3-4; Sylvester Kollros 5. Cockerels: Thos. Hayden 1; M. G. Wells 2-3. Hens: M. G. Wells 1-2-3-4. Pullets: M. G. Wells 1-2-3. Pens: M. G. Wells 1; Thos. Hayden 2-3.

GOLDEN WYANDOTTES—Cockerels: J. E. and R. B. Reising 1.

PARTRIDGE WYANDOTTES—Cock: O. M. Moreland 1.

COLUMBIAN WYANDOTTES—Cocks: Mollie Doll 1-3; J. J. Reibert 2. Cockerels: Mollie Doll 1-2-4; M. J. Reibert 3. Hens: Mollie Doll 1-2-3. Pullets: Mollie Doll 1-3; J. J. Reibert 2.

S. C. RHODE ISLAND REDS—Cocks: R. L. Bratton 1-3-4; Pembroke Red Farms 2; Dixie Red Farms 5. Cockerels: R. L. Bratton 1-4; G. B. Kyser, Jr., 2; B. D. Parker 3; H. C. Moeller 5. Hens: B. D. Parker 1; Dixie Red Farms 2; R. L. Bratton 3-4-5. Pullets: B. D. Parker 1; Pembroke Red Farms 2-4; R. L. Bratton 3; Dixie Red Farms 5. Young Hens: R. L. Bratton 1-2; B. D. Parker 3; W. A. Ramsey 4; W. H. Farrar 5.

R. C. RHODE ISLAND REDS—Cocks: H. C. Moeller 1; Alpenegg Poultry Yard 2. Cockerels: Dixie Red Farms 1; H. C. Moeller 2. Hens: H. C. Moeller 1-2. Pullets: Dixie Red Farms 1-2.

LANGSHANS—Cocks: Kirby Chambers 1. Cockerels: Kirby Chambers 1.

BRAHMAS—Hens: H. Sauer 1-2.

S. C. BROWN LEGHORNS—Cocks, light: Bonnycastle Poultry Yards 1-2. Cocks, dark: Bonnycastle Poultry Yards 1-2-3. Cockerels, dark: Bonnycastle Poultry Yards 1-2-3. Cockerels, light: Bonnycastle Poultry Yards 1-3; W. H. Moeller 2. Hens, dark: Bonnycastle Poultry Yards 1-2-3; W. H. Moeller 4. Hens, light: Bonnycastle Poultry Yards 1-2-4. Pullets, light: Bonnycastle Poultry Yards 1-2-3-4. Pullets, dark: Bonnycastle Poultry Yards 1-2. Pens, light: Bonnycastle Poultry Yards. Pens, dark: Bonnycastle Poultry Yards.

S. C. WHITE LEGHORNS—Cocks: Glory Anna Poultry Yards 1-3; P. W. Vetter 2; W. J. Manby 3; Milligan & Barrow 4. Cockerels: Milligan & Barrow 1-2-3; Glory Anna Poultry Yards 4. Hens: Milligan & Barrow 1-2-4; Glory Anna Poultry Yards 3-5. Pullets: Glory Anna Poultry Yards 1; Milligan & Barrow 2-3; Robt. L. Lips 4-5. Pens, old: Milligan & Barrow 1-3; Glory Anna Poultry Yards 2; J. R. Feigel 4. Pens, young: Milligan & Barrow 1; J. S. Feigel 2.

R. C. BROWN LEGHORNS—Hens: R. W. Foster 1.

S. C. BUFF LEGHORNS—Cockerels: E. D. Doney 1; W. L. Williams, Jr., 2; Leo Butler 3; Geo. D. Rankin 4. Hens: W. L. Williams 1; E. D. Doney 2. Pullets: Geo. D. Rankin 1.

S. C. BLACK MINORCAS—Cocks: Bonnycastle Poultry Yard 1. Cockerels: S. H. Headley 1-2; G. G. Trumbo 3; Theo. Schneider 4; E. L. Adams 5. Hens: Bonnycastle Poultry Yard 1-3-4; S. H. Headley 2; E. L. Adams 5. Pullets: Bonnycastle Poultry Yard 1-3; S. H. Headley 2; Gus Huber 4-5. Pens: Bonnycastle Poultry Yard 1; E. L. Adams 2.

R. C. BLACK MINORCAS—Cockerels: Levy Ferguson 1. Hen: Levy Ferguson.

Royal Blue Orpingtons—Black Orpingtons Scranton S. C. Reds—Speckled Sussex

Winners at Madison Square Garden, N. Y., Chicago Coliseum, Milwaukee, Greater Chicago, Indianapolis, this and former seasons. Our Fall Sale List tells about wonderful bargains in Reds and we have superb stock both young and old to sell in the other varieties—the kind that will help you win or breed winners. Birds with color, type, size and vigor. Write us today—it will pay you.

RAU & FRY,

HAWTHORNE POULTRY YARDS,

INDIANAPOLIS.

INDIANA

S. C. ANCONAS—Cocks: G. E. Gill 1. Hens: G. E. Gill 1; J. L. Hendry 2-4; Matthias Miller 3; H. E. Torstick 5. Cockerels: Matthias Miller 1; Ed Eyl 2; H. E. Torstick 3; Dr. J. C. Glackman 4; G. E. Gill 5. Pullets: H. E. Torstick 1; Matthias Miller 2-3-5; G. E. Gill 4. Pens: Dr. F. DeHaven 1.

BUFF ORPINGTONS—Cocks: Grainger & O'Brien 1; G. H. Foster 2. Cockerels: Grainger & O'Brien 1; S. M. Harbison 2-4; Strassel Station Poultry Yds. 3; G. H. Foster 5. Pens: G. H. Foster 1; Grainger & O'Brien 2. Pullets: S. M. Harbison 1-3-4; G. H. Foster 2. Young Pen: S. M. Harbison 1.

WHITE ORPINGTONS—Cock: Strassel Station Poultry Yards 1.

BLACK ORPINGTONS—Hens: G. W. Foster 1.

DARK CORNISH—Cock: F. R. Willis 1. Cockerels: Garnett Taylor 1; R. F. Willis 2-4; A. D. Bonner 5. Hens: B. A. Atherton 1-3-4; F. R. Willis 2. Pullets: A. D. Bonner 1-2-5; H. L. Hickman 3-4. Pens: F. R. Willis 1; Garnett Taylor 2; B. A. Atherton 3; M. T. English 4.

SILVER CAMPINES—Cocks: Leo Butler 1; Lawrence Tiller 2; Dr. B. C. Frazier 3. Hens: Lawrence Tiller 1; Leo Butler 2.

GOLDEN CAMPINES—Cocks: Leo Butler 1. Hens: Edw. Binder 1. Pullets: Edw. Binder 1-2. Young Pen: A. L. Krim 1.

WHITE PEKIN DUCKS—Drake: B. A. Atherton 1; Mrs. Geo. L. Scheffer 2. Ducks: Mrs. Geo. L. Scheffer 1; B. A. Atherton 2.

ROUEN DUCKS—Drake: H. Sauer 1. **WHITE MUSCOVY DUCKS**—Drake: Geo. B. Kyser, Jr., 1.

FAWN AND WHITE RUNNERS—Drake: R. J. Schott 1; W. A. Ramsey 2-3. Pen: J. M. Zanone 1; R. J. Schott 2.

RHODE ISLAND WHITES—Hens: J. T. Patrick 1-2-3. Old Pen: J. T. Patrick 1.

RED SUSSEX—Cockerels: G. H. Foster 1. Pen: G. H. Foster 1.

SPECKLED SUSSEX—Cockerels: G. H. Foster 1. Pullets: G. H. Foster 1.

Queens Sweepstakes Champions

S. C. WHITE LEGHORNS



Dec., 1916, to Jan., 1917, have won at five large shows including Augusta, Ga., Wilson, N. C., the Old Dominion Poultry Association, Norfolk, Va.

17 Blues out of a possible 22

12 Sweepstakes Cups

3 Medals, including A. P. A. Medal

Have mated three yards for my own and customers use, and will sell only a limited number of eggs at \$7.50 a setting of 15 as they run, or \$10 from my first yard for 15 eggs.

For further information apply.

J. R. NINNIS
Myers Park Charlotte, N. C.

EVANS' WHITE ROCKS

Winners where shown. Stock for sale. Eggs in season

Chas. H. Evans, Henderson, Ky.

Make Big Poultry Profits the CYPHERS Way

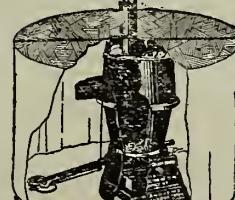
This

Cyphers Company big, free book is a *money-maker* and a *money-saver* for every one who keeps poultry. It tells the plain, helpful truth about the poultry business.

Cyphers Co's Poultry Supplies

Incubators, Brooders, Hovers, Foods, etc., are all fully described in this valuable book. You say the word and we'll send you a copy free. This will be a big year for poultry profits. Get in line.

CYPHERS INCUBATOR CO.
BUFFALO, N.Y.
New York, Chicago, Boston, Kansas City, Mo., Dallas, Oakland, Cal.



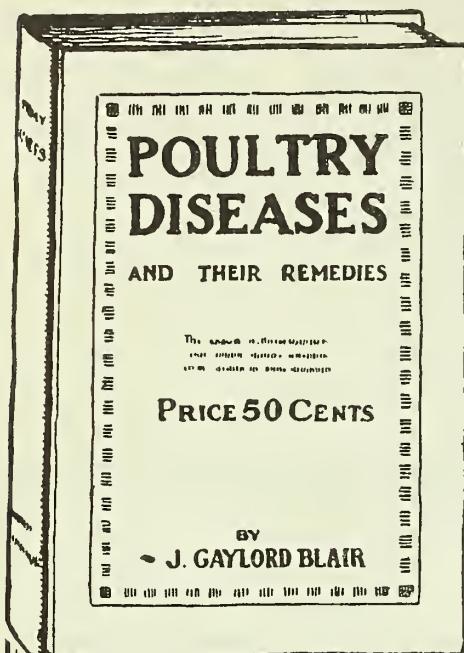
Here's One
Brooder That
Gives You
Your Money's Worth

Many poultrymen have trouble with their brooders. The Dandy Coal-Burning Colony Brooder is troubleproof. The biggest poultrymen in America declare it the best brooder made.

It is equipped with automatic heat regulator (temperature always even), moisture pan, air holes, perfect ventilation—fire stays lighted. Easy to put up, economical to run and gives a service unequaled by any other brooder on the market.

Write for the "Poultryman's Text-book." FREE. Tells you how to make more money out of poultry in an easier, better way.

THE O. B. ANDREWS CO.
Dept. IH, Chattanooga, Tenn.



Big Free 1917 Offer To Our Readers and Subscribers

We want to introduce THE INDUSTRIOUS HEN into 10,000 new homes in the South in the next 60 days. We believe you are one of our best friends and boosters. Can we count on your co-operation in this campaign? We receive hundreds of letters from our subscribers and readers, telling us how the HEN helps them and how they enjoy reading it each month. If you like THE INDUSTRIOUS HEN and want to help us boost the poultry industry in the South, will you help us?

SEND TWELVE 10-CENT SUBSCRIPTIONS

Go out among your friends and neighbors and secure twelve 10-cent subscriptions to THE INDUSTRIOUS HEN and send us \$1.20 and we will give you a year's subscription free. If your subscription is paid up, we will extend your time one year, and also give you a copy of "Poultry Diseases and Their Remedies", which is a big 100-page poultry book, telling you how to cure and treat every known poultry disease. This book alone will be worth many dollars to you.

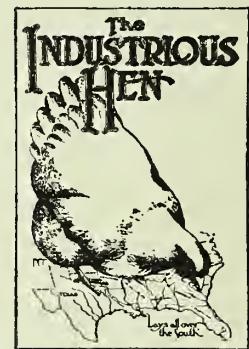
GREATEST OFFER EVER MADE

This is the most liberal offer ever made and we want everyone of our readers and subscribers to take advantage of it. The regular subscription price of THE INDUSTRIOUS HEN is 50 cents PER YEAR, but we will allow you to give it to your friends and neighbors for the next 60 days, at three months for 10 cents. They get three big numbers for 10 cents. YOU GET FOR YOUR TROUBLE, one year's subscription to the HEN and a Big Valuable 50-cent Poultry Book—ALL FREE. Don't you think this a liberal offer? Get busy now and send in your dozen trial subscriptions and let us send you the Big Poultry Book and THE INDUSTRIOUS HEN one year. Address,

THE INDUSTRIOUS HEN,

609 REPUBLIC BUILDING
LOUISVILLE, KENTUCKY

This offer expires March 1, 1917



Leaky Roofs.

A small hole in the roof will do incalculable damage to a flock by keeping the house damp and cold. Evaporation of moisture is always at the expense of loss of warmth, and the failure to stop a crack may cause an expense for more food, as the body of the fowl is kept warm by the food and the more comfortable the quarters the less food required. Dry cold, where the fowls are not exposed to the winds, will not cause as much sickness as dampness, and especially when the rain not only leaks down on the floor, but also on the fowls as well.—Poultry Record.

Andrews Shipping Coop.

We want all of our readers and advertisers to investigate the Andrews safety shipping coop, because we know it is one of the best coops on the market today. The coop is made in several sizes to accommodate from one to eight birds. They come knocked down and can be set up and shipped instantly and used over and over again. They are much cheaper and better than wooden coops, being lighter and a great saving in express charges. Send now for a copy of "Poultryman's Text Book," which describes the complete line of poultry supplies manufactured by the O. B. Andrews Company, Dept. I. H., Chattanooga, Tenn. It is sent free for the asking.

Take advantage of our special classified advertising offer on page 122. It will sell your surplus stock and eggs.

R-E-D-S

Eggs for Sale from
Rhode Island Reds

\$3 per Setting

"The Kind that
Lay in Winter"

H. L. DEAKINS,
315 N. Dodds Ave., Box A
Chattanooga, Tenn



Baby Chicks

For immediate delivery—and later
White Leghorns White Rocks
Brown Leghorns Barred Rocks
White Wyandottes R. I. Reds

These "Virginia Chicks" are pure-bred and possess unusual utility value. From healthy, free-range flocks of selected breeders. Bred, hatched and shipped RIGHT. Big value at our prices.

Write at once for free catalog
HARRISONBURG HATCHERY, Inc.
Box B Harrisonburg, Virginia

Rid Your Poultry of Pesky Lice!

A Sure Shot Zenoleum Lice Killer gets quick action on lice, mites and disease germs of poultry. Safe to use and **never fails**.

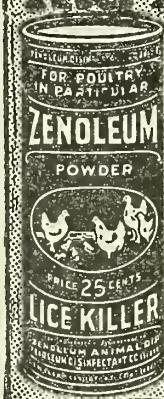
ZENOLEUM Lice Powder

The Powder That Penetrates to the Skin

It has such "fluffiness" that it easily penetrates through the feathers to the skin. Used and endorsed by leading poultry men.

Get a Big 25c Package! Price at any dealers 25c or by mail postpaid 35c. Does the work or money back—no talk, no argument, just money back.

Book "HOME TREATMENT FOR POULTRY DISEASES"—FREE
Zenner Disinfectant Co., 660 Lafayette Ave., Detroit, Mich.



HEADLEY'S WINNERS, LAYERS AND PAYERS

Winners at the Great Armory Show, Louisville, Ky., January 8-13, 1917, on four birds I entered in strong competition, first and second cockerel; second hen, and second pullet. I have some splendid well developed cockerels to sell at \$2.50 to \$10.00 and guarantee satisfaction or refund your money. Also eggs for hatching from our best matings. If you want some good S. C. Black Minorcas at reasonable prices, write at once.

PARKLAND POULTRY FARM, S. H. Headley, Prop., 1303 Olive St., Louisville, Ky.

Effect of the High Price of Feeds.

YOU will all agree with me that there has been this fall and is at the present time a tremendous amount of poultry finding its way to market. All the direct result of the scarcity and high price of feeds. Are you asking yourself what the outcome of this state of affairs will be? Upon first consideration it seems only reasonable that if we haven't the feed we must reduce the size of our flocks. But are we justified?

Let us look briefly at what this reckless slaughter of well matured pullets and cockerels is going to cause. The first stage we are passing through now—an overloaded market—and this will cause a drop in price. The next difficulty we are also experiencing—a shortage of eggs. Then we will have to face a scarcity of

NOTICE TO OUR SUBSCRIBERS AND READERS.

We believe our subscribers and readers appreciate and are thankful for the good paper we give them each month, also the good the INDUSTRIOS HEN is doing to advance the interest and growth of the poultry industry in the South. We also feel that they realize the heavy expense we are under at this time on account of the high cost of print paper and other printing material. Our friends and subscribers can help us at this time, and we appeal to you now for your co-operation.

If each one of you would send us just one new subscriber at fifty cents, it would be a wonderful help to us in meeting these increased expenses. Get your friend or neighbor to subscribe. They will gladly do it.

For your trouble we will give you a year's subscription to the INDUSTRIOS HEN free. Don't you think this liberal? Show us how much you appreciate the old HEN by sending us one or more new subscribers tomorrow.

dressed poultry later on in the winter, when there is such a keen demand for it. And last but not least—a shortage of good breeding stock for next season.—Poultry Record.

The Battle Stock Farm.

Down at Moultrie, Ga., there is a man who several years ago started out to show people that as good live stock could be raised in Georgia as any where in America.

When this man began to invest thousands of dollars in silos, barns, equipment, etc., people said he was crazy—it couldn't be done. That man was Joe J. Battle, today head of the big Battle Stock Farms. How well he has succeeded is evinced by the fact that today the Battle Stock Farms is one of the show places of south Georgia and we might say the State, and conceded by many to be the best equipped and stocked farm south of the Ohio river devoted exclusively to the production of high class breeding stock for foundation purposes.

When Mr. Battle got his herds of Jersey and Angus cattle, Shetland ponies, Percheron horses, Duroc, Berkshire and Poland China swine about perfect, or as near perfect as a man could produce them, he decided to add poultry to his farm. Again the Battle motto, "The best is none to good," was made use of and from breeders who have national reputations as producers of the best in the show room and breeding pens he purchased the best

SINGLE COMB RHODE ISLAND REDS AND INDIAN RUNNER DUCKS

My birds are bred for exhibition and utility qualities. The kind that lay through the high price season. I entered one hen at the Kentucky State Fair and won 3d in the hottest of competition. I entered one pen at the Great Armory Show at Louisville and won 4th pen in the biggest class of Reds ever caged there. THEY WIN AND PAY. You can't do better. Eggs from Pens Nos. 1 and 2: \$3 per 15; from Pens Nos. 3 and 4: \$2 per 15. Duck eggs and eggs from range flock \$1 per 13.

W. A. RAMSEY, Buechel, Kentucky

EGGS!**EGGS!!****EGGS!!!**

White and Barred Rocks, Golden Wyandottes, Buff Orpingtons, S. C. R. I. Reds, S. C. Brown and White Leghorns, Anconas and Silver Hamburgs.

Write for prices, satisfaction guaranteed.

MOUNTAIN-VIEW POULTRY YARDS,

Unionville, Virginia

S. C. WHITE LEGHORNS BUFF PLYMOUTH ROCKS

Eggs \$1.50 per setting, Chicks 15 cts. each.

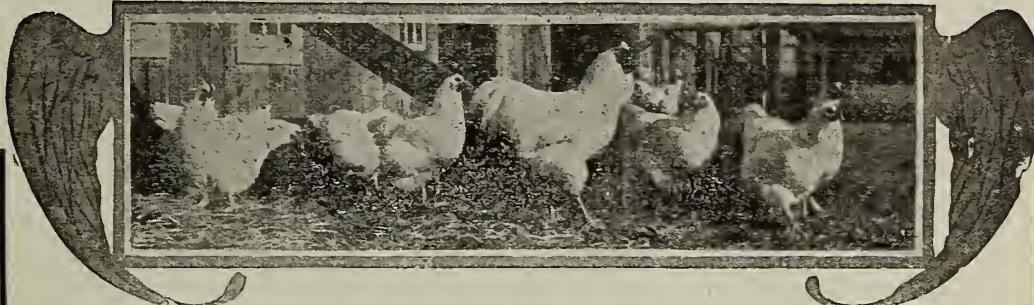
Eggs \$1.50 per setting, Chicks 20 cts. each.

For Sale Stock, Eggs and Day Old Chicks

PINEY HILL POULTRY YARDS, Jno. G. Fletcher, Prop., Member A. P. A.

TENNESSEE

NORTH CHATTANOOGA,



During the past year hundreds of our friends have taken advantage of our splendid and liberal offers and have secured purebred poultry and eggs absolutely free by spending a few hours of their spare time among their friends and neighbors taking subscriptions to the Industrious Hen.

The work is not hard as they find it easy to get their friends to subscribe for the Industrious Hen, and they will consider it a favor, as they want to read a good Southern Poultry Paper. Read what these people have done. You can get the same free start and build up a paying and profitable business. Don't delay, but start now.

Tracy's Landing, Md., Nov. 24, 1916.
Industrious Hen, Louisville, Ky.

My trio of Barred Rocks arrived yesterday from Mr. Chas. Koons, Charlestown, Ind. They are in perfect condition and are certainly beautiful birds. Kindly accept my thanks.

Mrs. Thos. Jno. Hall.

Thomasville, N. C., Nov. 8, 1916.
Industrious Hen, Louisville, Ky.

The Barred Rock cockerel arrived today in O. K. condition. A much nicer bird than I expected to get. Thanking you for securing him, I am

Yours truly,

G. Virgil Bodenheimer.

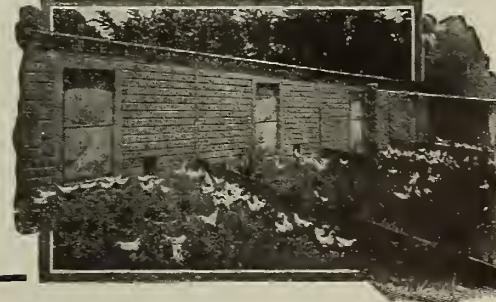
FREE EGGS!

We will give you a pair, trio, pen or eggs for hatching, absolutely free. The stock to be selected by us from any breeder's yards who advertises in the columns of the Industrious Hen. You have choice of any variety. We want you to get your neighbors to subscribe for the Industrious Hen. Show them a copy of the paper and they will gladly subscribe and will thank you for suggesting it to them.

OFFER: Eight yearly subscriptions, one setting of eggs (15). Twelve yearly subscriptions, one male and female (pair). Twenty yearly subscriptions, one male and two females (trio). Thirty yearly subscriptions, one male and four females (pen).

Write us for sample copies and particulars RIGHT NOW and be the first in your neighborhood to get some PUREBRED BIRDS.

The work is easy and you can get into a paying and profitable business and grow year after year.

FREE BIRDS!

The Industrious Hen
609 REPUBLIC BLDG., LOUISVILLE, KY.

foundation stock in Barred Plymouth Rocks and Single Comb Rhode Island Reds that money would buy, several birds costing over \$100 each, as Mr. Battle would say, "I wanted this particular individual for our breeding pens and price was a second consideration."

The Single Comb Black Minorcas are the Williams "Bred-to-Lay-and-Lay-They-Do" strain that were formerly owned by Harley L. Williams, now general manager of the poultry and pigmen department of this big stock farm.

Today, writes Manager Williams, "We have hundreds of quality birds, and in cockerels some more than we will reserve for our own use. These

surplus males we are going to sell at very reasonable prices, quality considered."

Those of our readers who are interested in the above varieties would do well to look up their ad in this issue of the Industrious Hen. Mr. Williams writes that they are particular strong on high quality hatching eggs. If interested write him, mentioning the Industrious Hen.

Don't let the season slip by without getting your share of the business in the South. START YOUR ADVERTISEMENT NOW.

(Continued from page 121.)

Eggs from 50-pound tom sweepstakes
winner, \$4.00 per 12. White and Silver Wyandottes, \$2.00 and \$3.00 per setting. Mrs. Lee Chapman, R. No. 10, Mayfield, Ky. 2-5t

"Rosedale" White Wyandottes. Eggs from winners and layers. Send for mating list. Rosedale Farm, R. No. 10, Paw Creek, N. C. 2-1t

White Wyandottes. Stock and eggs.
Have some yearling cocks and a fine lot of cockerels for sale. Well bred both for type and egg producing. Prices right. Satisfaction guaranteed. Eggs \$1.50 to \$3.00 per 15 or \$8.00 per hundred. Book your egg orders early. W. A. Ziegler, Mt. Victory, Ohio. 2-2t

Eggs from 50-pound tom sweepstakes
winner, \$4.00 per 12. Silver Wyandotte eggs \$2.00. White Wyandottes \$3.00. Mrs. Lee Chapman, Mayfield, Ky., R. No. 10. 2-5t

Nice "Dixie Quality" strain White Wyandottes cockerels. Also nice lot of strong one-year-old cocks for sale. Prices reasonable. Z. Stallings, Milan, Tenn. 2-1t

PIGEONS

Carneaux Pigeons—Mated pairs and youngsters. McCleight Lofts, Lawton street, Atlanta, Ga. 12-3t

I offer guaranteed mated Homers in any quantity at \$1.00 per pair. Beautiful White Homers \$1.50 pair. Squab companies challenged to produce better stock at twice this price. Get my prices on Runt, Carneaux, Maltese Hens and save dollars. Squab Manual 25 cents. Chas. O. Gilbert, 222 Callowhill street, Philadelphia, Pa. 2-1t

TURKEYS

Bourbon turkeys; 20 fine young toms. Also hatching eggs in season. E. F. Trimble, Benton, Ky. 2-8t

Mammoth Bronze Turkeys. Big bone and well marked. Mrs. A. G. Mitchell, Smiths Grove, Ky. 2-1t

Turkeys—All varieties, farm reared. Large healthy vigorous birds. Winners wherever shown. Buy your breeding toms now. U. R. Fishel, Box Q, Hope, Ind. 12-5t

MISCELLANEOUS

Frost-proof Cabbage Plants. Grown in the open field, strong and hardy varieties. Early Jersey, Charleston Wakefield, Succession, Flat Dutch and Drumhead. Price: 500 for \$1.10; 1,000 for \$2.00, postpaid. By express, 1,000 to 4,000 for \$1.25; 5,000 to 10,000 for \$1.00; 15,000 to 20,000 for 90 cents per thousand. Full count and safe delivery guaranteed. Write for a descriptive price list. Piedmont Plant Company, Dept. 42, Albany, Ga., and Greenville, S. C. 1-1t

Poultrymen's Printing Prepaid—Note-heads, envelopes, cards, tags, labels, 100 either, 55c; 250, 95c; 500, \$1.35; 1,000, \$2.25. Postcards, catalogues, circulars, linen letterheads, everything. Finest cuts furnished. Stamp brings elegant samples. Model Printing Company, Manchester, Iowa. 12-6t

Frost-proof Cabbage Plants. Early Jersey, Charleston Wakefield, Succession, and Flat Dutch. By express, 500. \$1.00; 1,000, \$1.50; 5,000 @ \$1.25. Satisfaction guaranteed. Postpaid 30 cents per 100. D. F. Jamison, Summerville, S. C. 1-1t

Baby chicks, eight varieties. Raised on separate farms. Custom hatching. Catalogue free. R. W. Foster, Richmond, Ky. 1-4t

Gape remedy that positively cures gapes, or money back. 25 cents. Agents wanted. Booklet and proposition free. W. Doran, Brandenburg, Ky. 1-6t

Eggs: White Leghorns, Partridge Wyandottes, Black Orpingtons, Indian Games, White Guineas, Runner Ducks. 200 prizes last season. Jno. Boyd, Alton, Va. 2-5t

Silver Black and Patch Foxes, pairs or single; also some Reds, from Black litters. Write your wants. Get descriptions. T. R. Lyons, Waterville, Kings Co., Nova Scotia. 2-1t

Tested and proven. Mitchell's improved King cotton is double early, prolific, productive. 100-pound sack seed, sealed, guaranteed, \$6.50, cash with order. Sugar Loaf Cotton Farm, Youngsville, N. C. 2-4t

Purebred White Orpingtons and Golden Wyandottes. Eggs for hatching \$1.50 per 15. Ernley Perkins, Hewlett, Va. 2-1t

Fine roosters—Silver Campines, Leghorns, Houdans, Games, Wyandottes, Reds and others. Price low. Big illustrated circular free. See it. Jno. E. Heatwole, Harrisonburg, Va. 1-5t

Ducks, Buff Orpingtons, Buff Geese, Buff Rocks. Brown Leghorns. Prices reasonable. Geo. H. Goyert, Batesville, Ind. 2-1t

Anconas (mainly Sheppard's) and Columbian Wyandottes. Pure fine stock, first and second prize winners State Fair. Cockerels, either variety, for \$1.25, two for \$2.00. Eggs, 15, \$1.25; 30, \$2.00. Express shipments only. J. R. Nichols, Baxley, Ga. 1-1t

White Orpington and Rhode Island Red cockerels from fancy matings. Sixteen birds entered at Norfolk show, five won first, ten third. Eggs, fancy and utility. H. L. Turpin, Boydton, Va. 2-5t

Anconas (mainly Sheppard's) and Columbian Wyandottes. Fine thoroughbred stock. First and second prize winners State Fair. Fifteen eggs \$1.25; 30, \$2.00, either variety. J. R. Nichols, Baxley, Ga. 3-2t

Vass' S. C. Anconas, Silver and Golden Campines. World's greatest layers, average 256. Eggs \$1.50 for 15; \$6.00 per 100. Buff and White Orpington eggs \$3.00 per 15. Winners Allentown, Easton and Summerville. Stock for sale. All varieties. Mating list. C. E. Vass, Washington, N. J. 2-2t

75,000 chicks this season. Buff, White Leghorns, 9 cents; White Rocks, Barred Rocks, Reds, Anconas, 10 cents; Spanish, Black Minorcas, Brahmas, Buff Orpingtons, 11½ cents. Circular free. W. H. Geiger Hatchery, Chatfield, Ohio. 2-3t

Anconas and Reds.. Single Combs, winners, layers. Fifteen eggs \$1.50, \$3.00 and \$5.00. Bourbon Red turkeys. Bargains in breeders. W. S. Nix, Calhoun, Ga. 2-5t

Hatching eggs: 15, \$1.50; 100, \$6.00. Cockerels \$2.50 to \$5.00. Hens \$2.50. S. C. White Leghorns, White Rocks. Full value and more guaranteed. J. Earl Hoover, Staunton, Va. 2-1t

Eggs, fresh and fertile for setting, from Ringlet Barred Rocks, Rose Comb White Wyandottes, White Holland turkeys. All on free range. Healthy and vigorous. Many prize birds in my flocks. Write for prices. Mrs. M. F. Gooch, Somerset, Va. 2-1t

If you do not advertise, no one will ever know of your winnings or the good birds you have to sell.

WEDDING INVITATIONS AND SOCIAL STATIONERY

PRINTED OR ENGRAVED
Highest Class Work Let us save you Money
Send Us Copy for Estimate

HAMMER PRINTING CO.,
Incorporated

127 S. Third St. Louisville, Ky.

ROBERTSON'S POULTRY FARM
MILLEDGEVILLE ROAD, MACON, GEORGIA

Breeders of S. C. White Leghorns and White Plymouth Rocks. Get our new catalogue after January 1 for the asking, giving prices on our eggs for hatching and day-old chicks, from both exhibition and utility matings.

SUPERIOR SANITARY LAUNDERING

WRITE FOR INFORMATION

The "ORIGINAL" PARCEL POST LAUNDRY
LOUISVILLE, KY.
THE POSTAGE WE PAY
ANYWHERE IN THE U.S.A.

ATTRACTI0NS FOR FEBRUARY AT B. F. KEITH'S THEATRE.

Eddie Foy, the inimitable droll comedian, and his Seven Younger Foys, in "The Old Woman in the Shoe," is the big feature at B. F. Keith's for this week, concluding with Saturday's performance, February 10. A big comedy bill surrounds this famous and talented family. For the week of February 11, "The Girl with a Thousand Eyes" will furnish the premier attraction, surrounded by such popular entertainers as Aveling and Lloyd, in a comedy skit; "Prosperity," a formula for contest; Kelly & Galvin, "The Italian and the Actor;" "Five of Clubs," novelty; Kelly, Wilder and Company, in melodies past and present; Lew Holtz, "Father's Joy Boy," and Maximilian's Canine Pupils. For the week of February 18, a colossal spectacle with music, entitled "America First," will be featured. Bruce Weyman, the noted singer, is the principal in this production. Others are The Sharrocks, in "Behind the Grandstand;" Tom Smith and Ralph Austin and Company, in "All Fun;" Jim Hussey and Wm. Worsley, in "The Fox Hunters;" Weston & Claire, smart entertainers; The Rosaires, and others. An attractive bill is being prepared for the week of February 25.

Read the classified advertising offer on page 122. It will save you money.

I Offer The Best For The Money In

S. C. White Leghorns and White Wyandottes. Eggs \$2.00 to \$5.00 per 15. Stock a matter of correspondence. We have what you need.

J. G. COILE & SON

Bowling Green, Florida

KILL LICE NO HANDLING FOWLS.

R. T. Barr, Box 42, Quincy, Ill., is mailing Free an illustrated circular showing how to kill lice in a few hours. If interested in poultry for profit, write today for This Big 12 page, Money-Saving Folder.


30 Best Breeds Poultry
Stock and Eggs. Low price. Big new illustrated circular Free. See it. John E. Heatwole, Harrisonburg, Va.

ESTABLISHED 1912
Don't Feed Green Food!
Do away with the bother by using
Succulenta Tablets

They are better, cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. A full egg basket assured.

Can of 100 large tablets by mail, \$0.50

YOUR MONEY

" 250 " " " 1.00

BACK IF NOT

" 500 " " " 1.75

SATISFIED.

Write for particulars, giving your dealer's name, to the

SUCCULENTA CO., P. O. Box 405-25 Newark, N. J.

THE ORIGINAL**Parcel Post Laundry**

MAIN OFFICE: 628 W. JEFFERSON ST., LOUISVILLE, KY.

Original and up-to-date, of progressiveness we boast, Since we first employed your Uncle Sam with his Parcel Post; Our Sanitary work will bring a smile--make happiness complete, It's Guaranteed. We Return it Prompt, packed secure and neat. Bundles fifty cents or over, the Postage Both Ways we pay, Write for Information (or better still). Send a Trial Bundle Today; Charge Accounts are opened to parties with reference, Tried once, this Laundry will always be your preference.

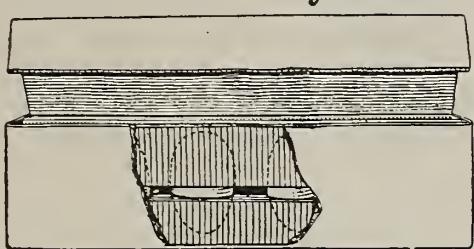


Andrews Egg Carriers

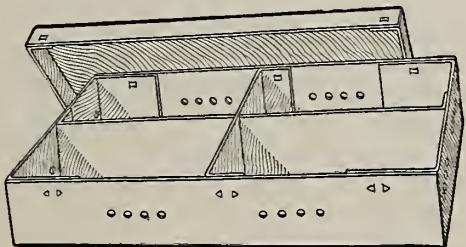
"Safe as the Bank of England!"

That's what they say about Andrews Non-Busto Elastic Egg Carrier. "I've thrown this box, filled with eggs, from a second-story window and not a single egg broke."

This is absolutely the safest and surest way to ship eggs. Doesn't cost any more than the old, dangerous way. Eggs are protected by an air cushion. There's nothing for them to break against.



You're wasting money if you don't use my egg box. Initial cost is exceedingly small. The light weight keeps down express or parcel post charges. I give you a two-color gummed label for each box. Buy them for either commercial eggs, in 1, 2, 3, 4, 5 or 10-dozen sizes, or hatching eggs for 15, 30, 50 or 100 eggs.



100-chick size, 4 compartments
50-chick size, 2 compartments
25-chick size, 1 compartment

Andrews Efficiency Baby Chick Carriers

are a revelation. They're shipped flat—you can put them together instantly with brass bands—no glue, no tape, top and bottom one piece, safe, efficient

and real money savers. Unexcelled for carrying baby chicks. Sizes 25, 50 and 100 chicks.

Write for the "Poultryman's Text Book"—FREE. It contains a mint of knowledge that you can turn into ready coin. No poultryman ought to ever be without it.

THE O. B. ANDREWS COMPANY
Dept. IH

Chattanooga, Tenn.



"The World's Largest Poultry Specialty Manufacturers." *Ask the Judges*

ENGLISH S. C. WHITE LEGHORNS

Nothing but the best and bred to lay. Let us furnish you with stock, eggs and baby chicks. We guarantee satisfaction or refund your money. Eggs for hatching, \$1.50 per 15. Baby chicks 15c each in 100 lots; any amount under 100, 17c each. Write us. We can please you. Address,

LINCOLN POULTRY FARM, Clarence Rogers, Proprietor.

HODGENVILLE, KY.

Vermillion's S. C. Rhode Island Reds

Are sustaining their reputation of Championship Winners in the big shows. At Memphis, Tenn., 1916, we won: 1st, 5th cock; 1st, 2d, 5th cockerel; 1st, 2d hen; 1st, 3d pullet; Grand Champion cockerel of entire show; handsome silver cup for best display of REDS and a number of other specials. At Texas State Fair, Dallas, 1916, which was State A. P. A. and State Red Show, we won the big end of all singles, pens and specials. Our customers are winning all over the country on birds they hatched and raised from our eggs. Our pens are now mated for the 1917 season. **WRITE FOR CIRCULAR.**

MRS. J. F. VERMILLION,
RUSK, TEXAS

Just say you saw it in THE INDUSTRIOUS HEN.



(Pat. Sept. 1, 1914.)

You Need This Band for Your Birds Just as Much as You Need Feed for them. You need them either to tell their age, or to keep your records right if you are trapnesting. The Bourne big-number bands are recommended for this as you do not have to catch the bird in order to read the number. Black numbers from 1 to 800 on white background. Numbers from 1 to 300 on red, yellow, cerise, green, pink, blue backgrounds. Sizes for Mediterraneans, Americans and Asiatics, also pigeons. Send for free sample and catalogue. We can furnish bands with the year "1915" and "1916" on them in order to tell the age of the bird. Send for sample and price list now.

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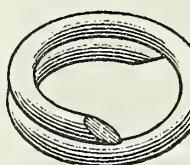
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